

Verificare declaratie SAFT

Aplicatia pentru verificarea declaratiei **D406** SAFT este realizata in **java 8**, de aceea este necesar, in prealabil, instalarea platformei Java versiunea 8 sau o versiune ulterioara.

Versiunea 8 poate fi descarcata de la urmatorul link:

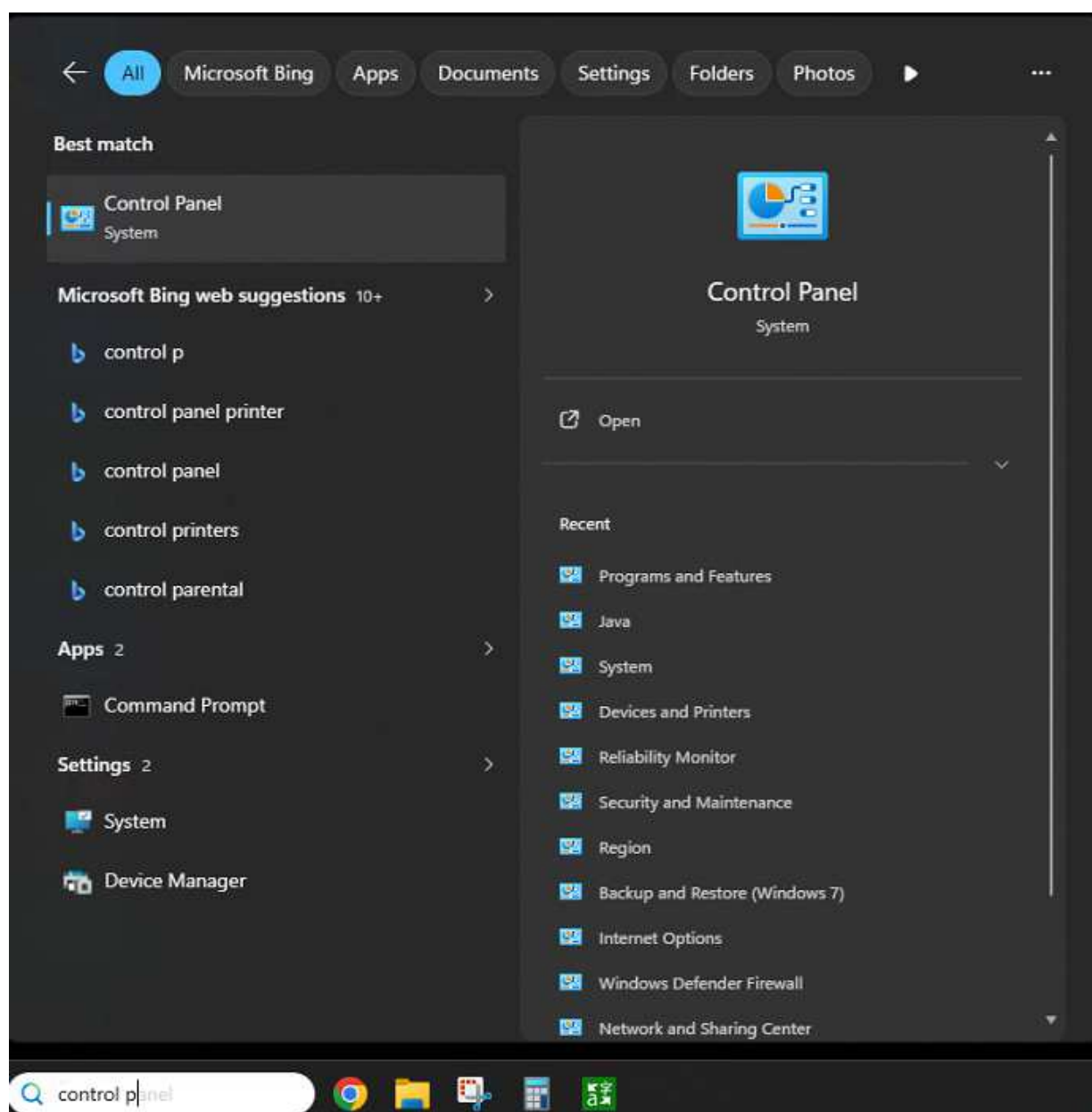
<https://www.oracle.com/europe/java/technologies/javase/javase8u211-later-archive-downloads.html>

I. Verificare instalare Java

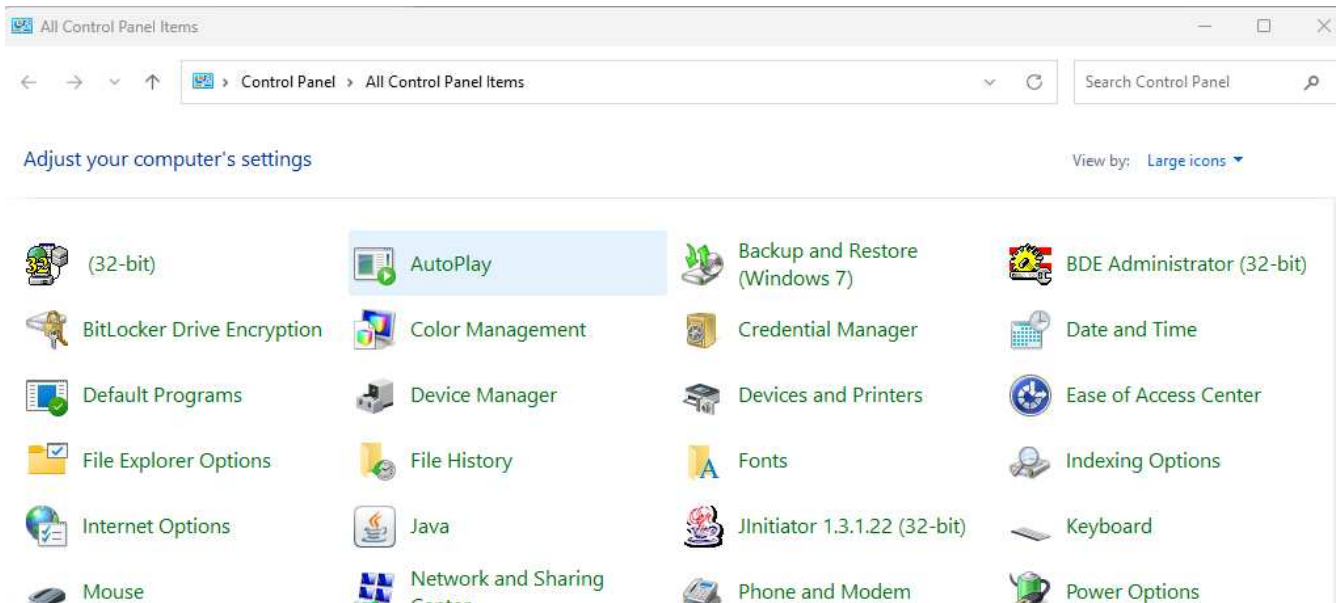
Pentru a verifica existenta platformei java pe un PC care are instalat Windows 10 sau 11, se procedeaza astfel:

Varianta 1

1.1. La **Search** se introduce **control panel** si cand aplicatia apare (ca in captura), se apasa **Open**

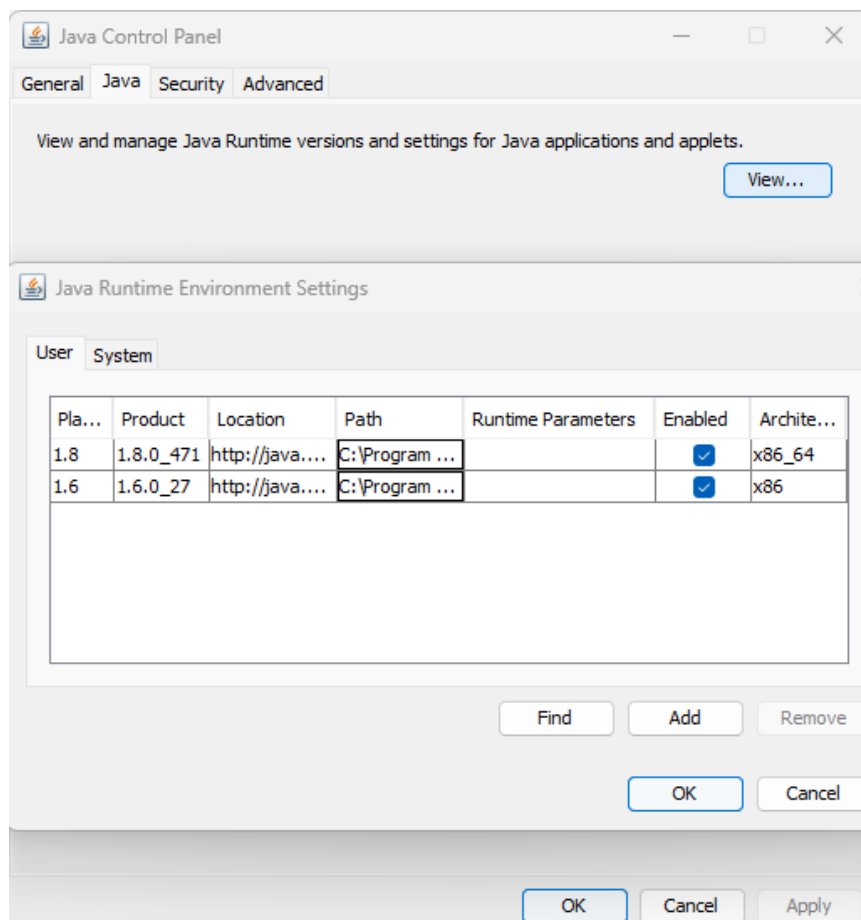


1.2. In fereastra care apare: Dublu Click pe pictograma **Java**



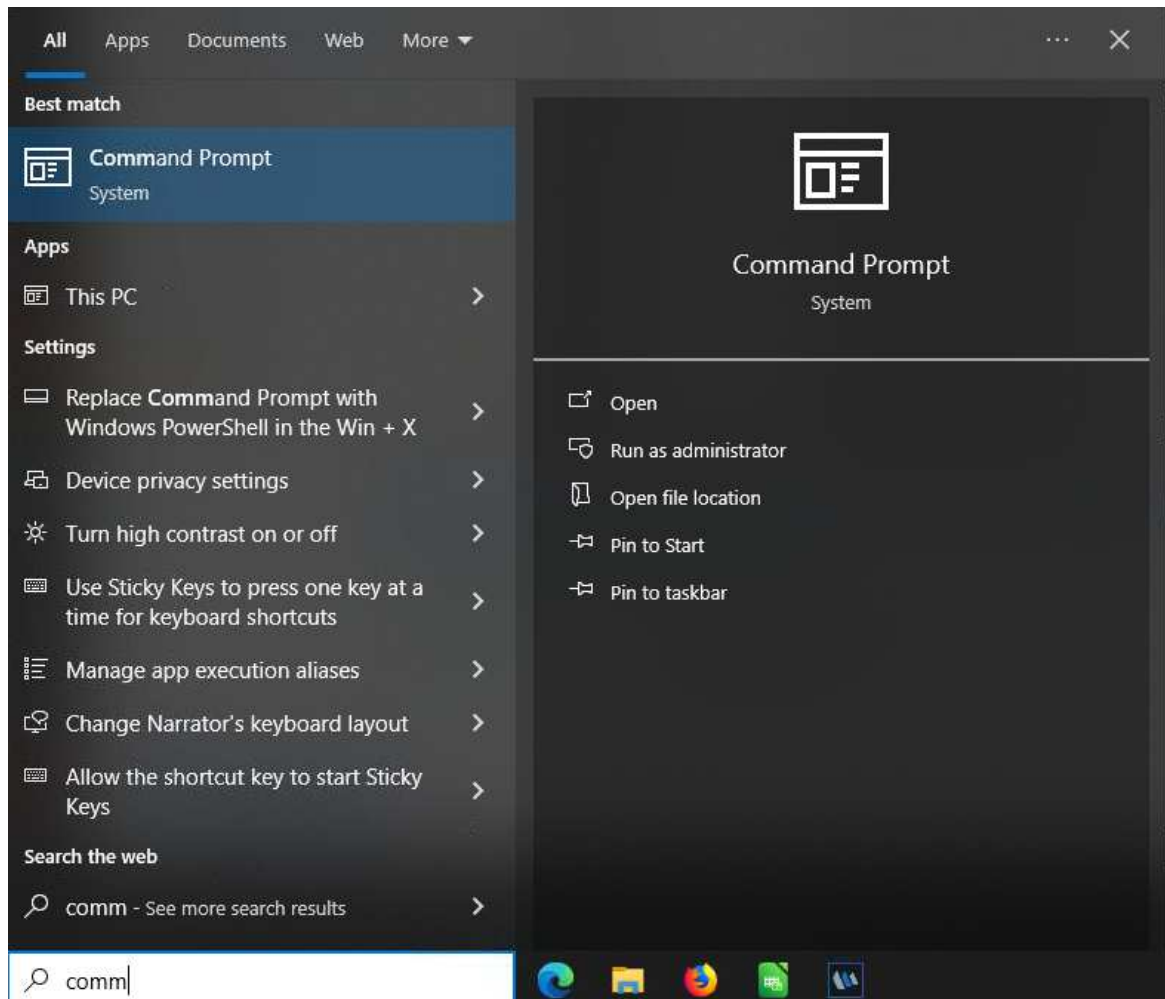
1.3. In fereastra care apare (Java Control Panel), se merge la TabPage-ul **Java** si se apasa butonul **View**

Apare fereastra Java Runtime Environment Settings, unde putem observa daca java 8 este instalata (in imaginea de mai jos: **Product 1.8.0_471**)



Varianta 2:

2.1 La **Search** se introduce **command prompt** si cand aplicatia apare (ca in captura) se apasa **Open**



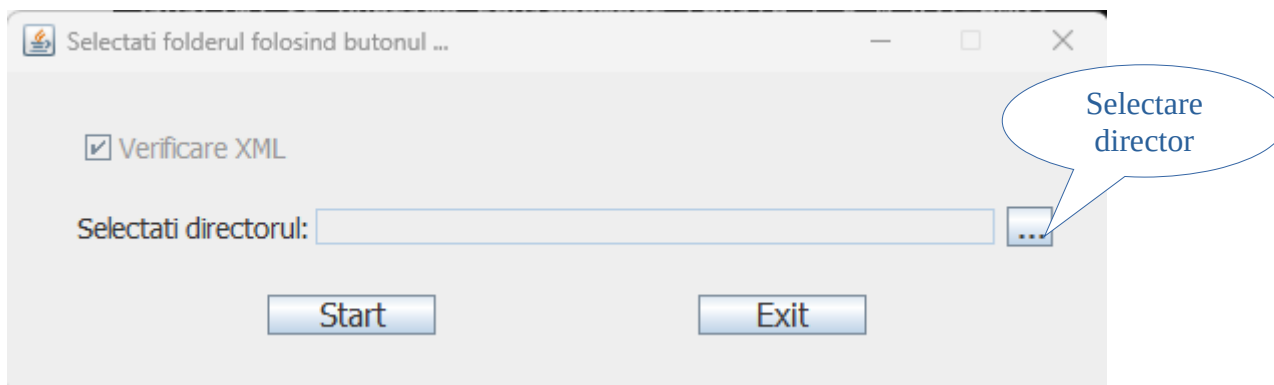
2.2 In fereastra care apare se tasteaza comanda: **java -version**

```
Command Prompt
C:\Users>
C:\Users>java -version
java version "1.8.0_471"
Java(TM) SE Runtime Environment (build 1.8.0_471-b09)
Java HotSpot(TM) 64-Bit Server VM (build 25.471-b09, mixed mode)

C:\Users>
C:\Users>
C:\Users>
```

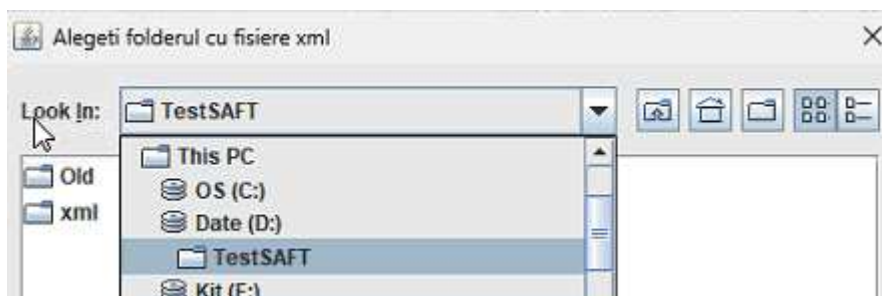
II. Lucrul cu aplicatia TestSaftW.jar

1. Se creeaza un director pentru aplicatie, se copiaza fisierul **TestSaftW.jar** in directorul nou creat (Ex: D:\TestSAFT) si se da dublu click pe TestSaftW.jar

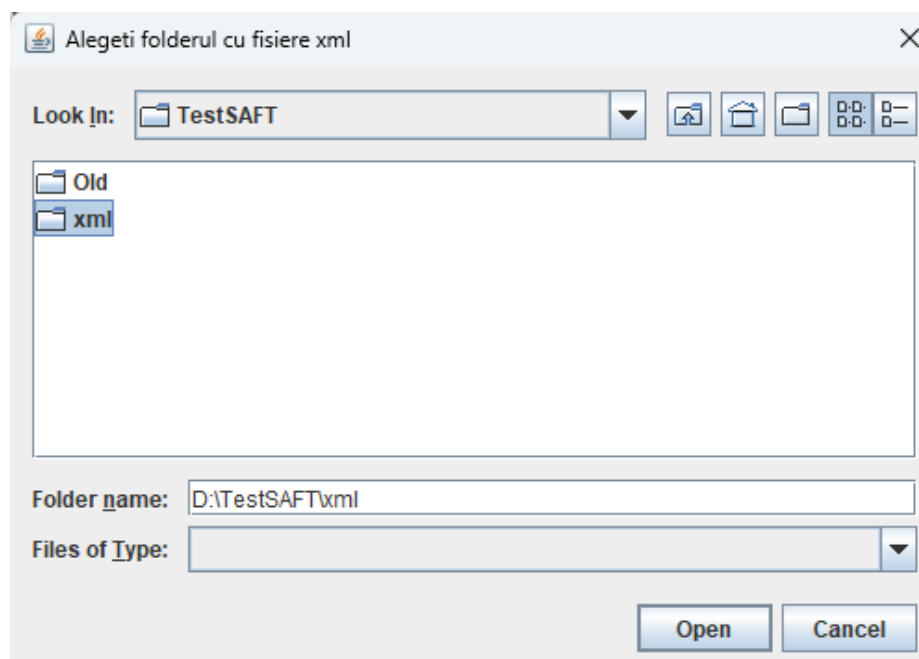


2. In aplicatie sunt 3 butoane: butonul de **Selectare director**, butonul **Start** si butonul **Exit**.

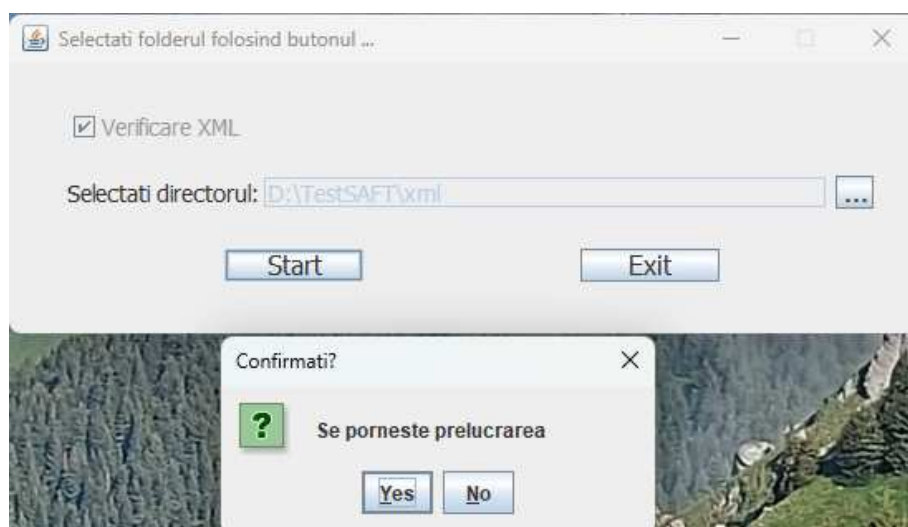
a) Se apasa butonul **Selectare director** si apare o fereastra ca in figura de mai jos:



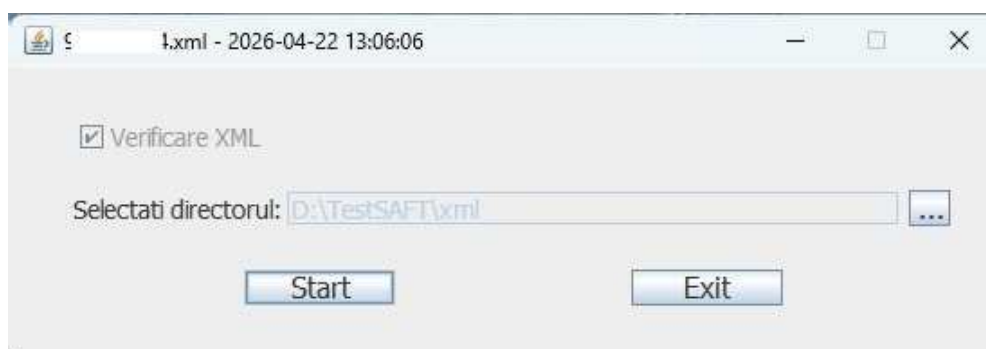
Se cauta directorul care contine fisierele xml care se doresc a fi verificate si se selecteaza (Ex: D:\TestSAFT\xml). Pe linia **Folder name** apare calea completa. Apoi se apasa **Open**



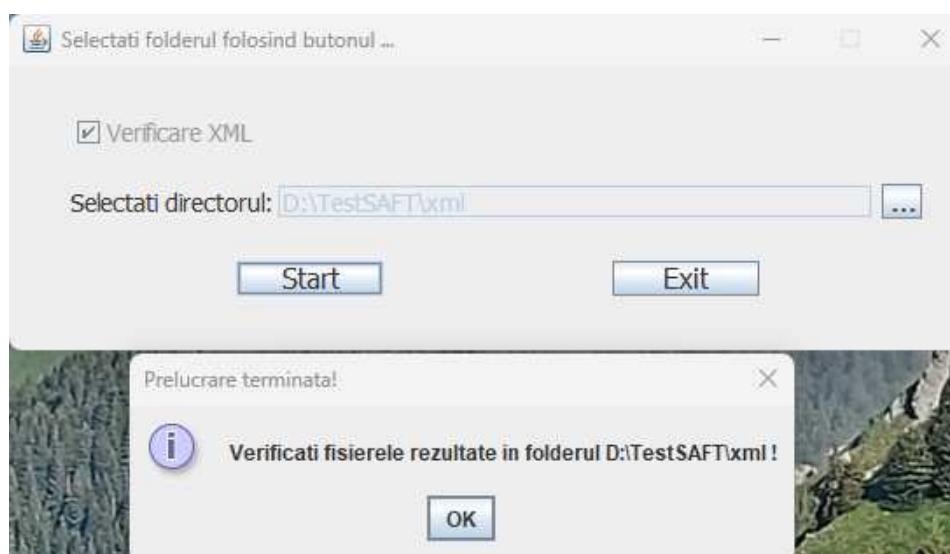
b) Se apasă butonul **Start** și apare o nouă fereastră cu mesajul **Confirmați? Yes** – se porneste verificarea, **No** – se anulează verificarea



Se observă că **Titlul ferestrei** s-a modificat, acesta afișând **numele fisierului** verificat urmat de **data** și **ora** la care s-a pornit verificarea.



La finalul verificării apare o fereastră care ne informează unde găsim fisierul/fisierele care rezultă în urma verificării.



Aplicatia va verifica **numai** declaratiile **D406 SAFT** pe care le gaseste in directorul selectat, indiferent de numarul lor, singura conditie fiind ca numele fisierelor sa aiba extensia **xml** (Ex: numefisier202604-cui.xml).

Dupa terminarea verificarii se merge in **directorul selectat**, unde, pentru fiecare fisier verificat se regasesc **unul** sau **doua** fisiere de tip **csv**, cu delimitator **"#"**.

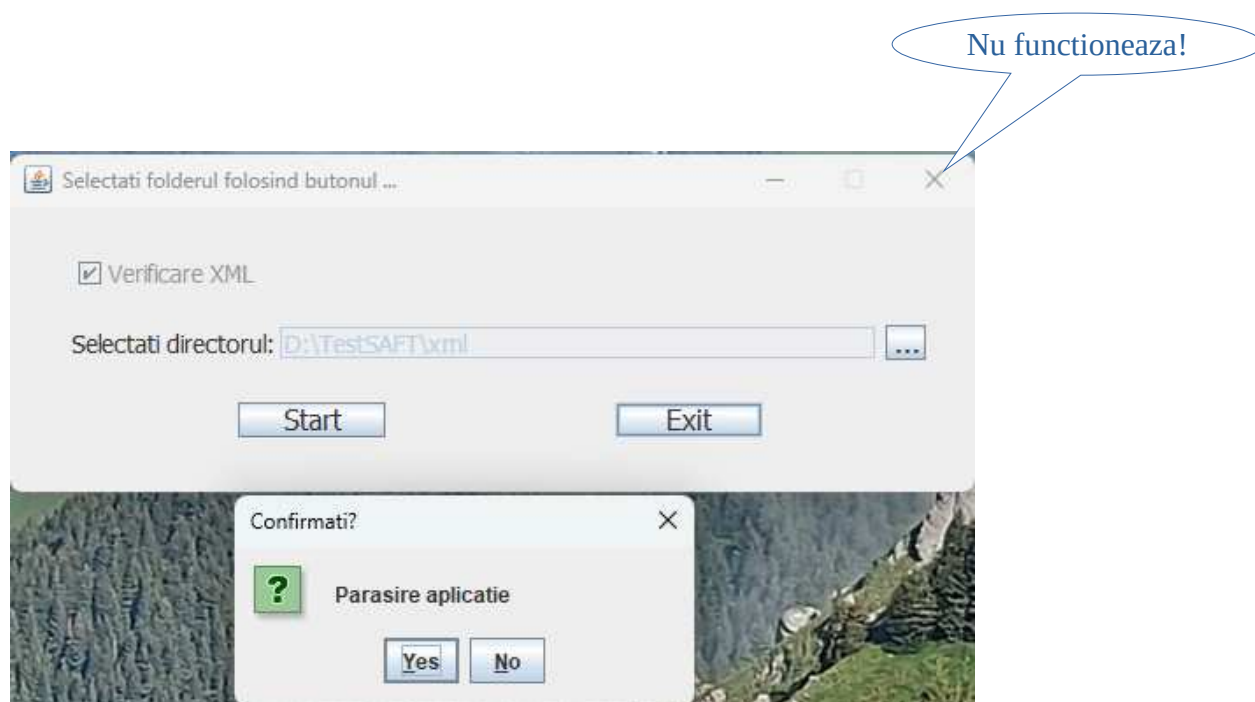
-un fisier care se creeaza obligatoriu, cu numele de forma:

Header-fisierxmlverificat-AAAALLZZ_HHMMSS.csv, si care contine informatii generale despre fisierul verificat

-numai in cazul in care se depisteaza erori de validare apare si al doilea fisier, cu numele de forma **Err**-fisierxmlverificat-AAAALLZZ_HHMMSS.csv, care contine erorile de validare cu indicarea testului care a generat eroarea

test		4/22/2026 1:01 PM	File folder	
1.xml		3/4/2026 2:39 PM	XML Document	6,054,555 KB
Err-1-20260422_130606.csv		4/22/2026 1:06 PM	Foaie de calcul Op...	1 KB
Header-1-20260422_130606.csv		4/22/2026 1:11 PM	Foaie de calcul Op...	1 KB

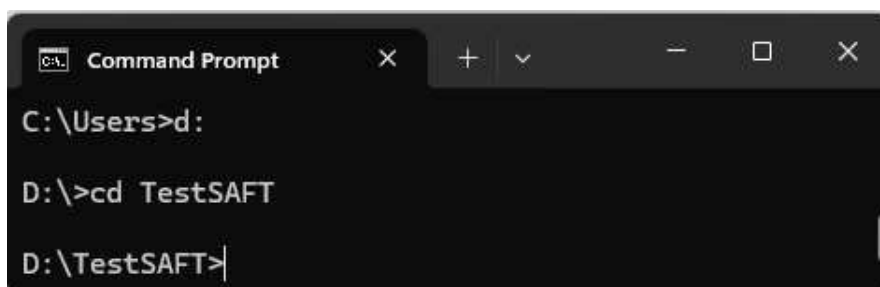
c) Pentru a parasii aplicatia se apasa butonul **Exit** (X-ul ferestrei nu este functional)



Apare o noua fereastră cu mesajul **Confirmati?** **Yes** – parasire aplicatie, **No** – ramanere in aplicatie

III. Lucrul cu aplicatia TestSaftT.jar

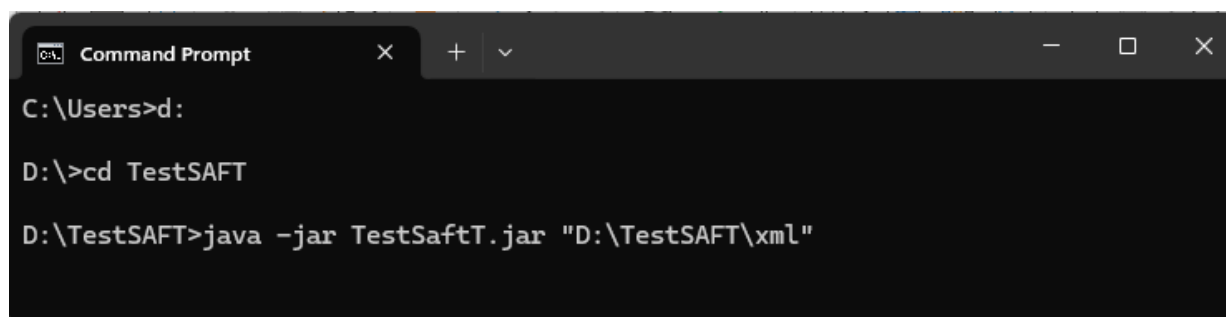
1. Se creeaza un director pentru aplicatie si se copiaza fisierul **TestSaftT.jar** in directorul nou creat (Ex: D:\TestSAFT)
2. Se deschide o fereastră **Command Prompt** (urmand pasii de la Verificare instalare Java – Varianta 2)



```
C:\Users>d:  
D:\>cd TestSAFT  
D:\TestSAFT>
```

Pentru usurinta lucrului, se poate naviga pana in directorul nou creat, ca in figura de mai sus.

3.
 - a) Cazul in care fisierele **xml** sunt in alt director (in exemplul nostru: fisierele xml nu sunt in D:\TestSAFT, ele au fost copiate in D:\TestSAFT\xml)
Pentru a lansa aplicatia se tasteaza comanda: **java -jar TestSaftT.jar parametru**, unde:
-parametru este **numele directorului** care contine fisierele xml de verificat, ca in figura de mai jos



```
C:\Users>d:  
D:\>cd TestSAFT  
D:\TestSAFT>java -jar TestSaftT.jar "D:\TestSAFT\xml"
```

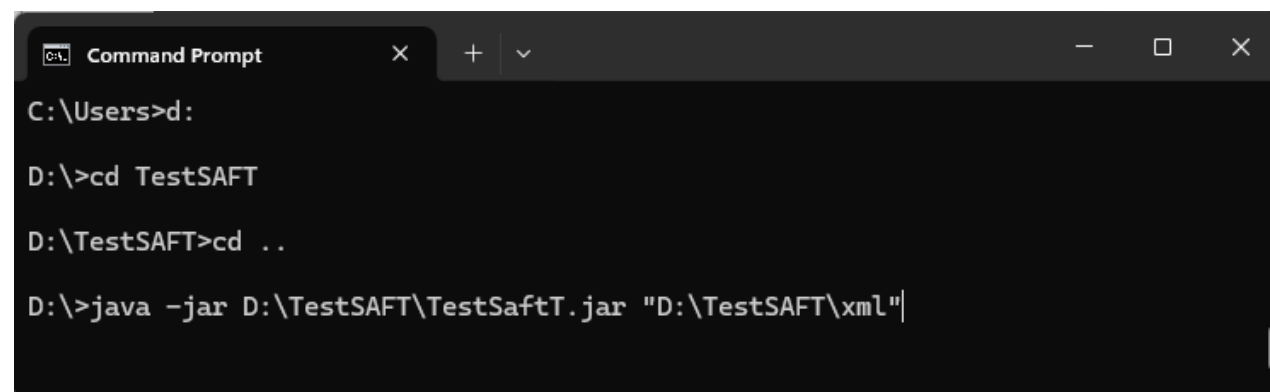
Observatii: 1. **Ghilimelele** nu sunt obligatorii decat in cazul in care numele directorului contine spatii

(Ex: in loc de D:\TestSaft\xml avem **"D:\Test Saft\xml"**)

2. Daca se lanseaza aplicatia din alt director, trebuie indicata si calea catre fisierul TestSaftT.jar.

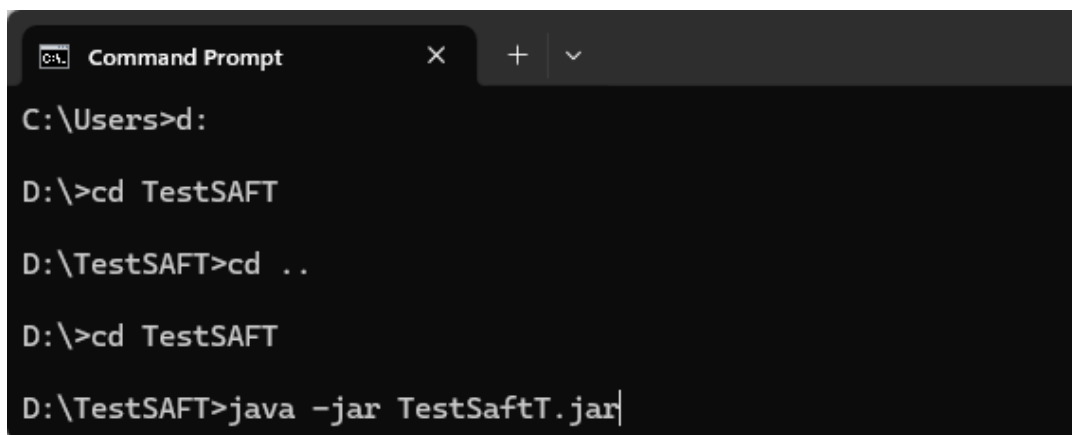
Exemplu: daca lansam aplicatia din d:\ atunci linia de comanda va fi de genul:

java -jar D:\TestSAFT\TestSaftT.jar "D:\TestSAFT\xml"



```
C:\Users>d:  
D:\>cd TestSAFT  
D:\TestSAFT>cd ..  
D:\>java -jar D:\TestSAFT\TestSaftT.jar "D:\TestSAFT\xml"
```

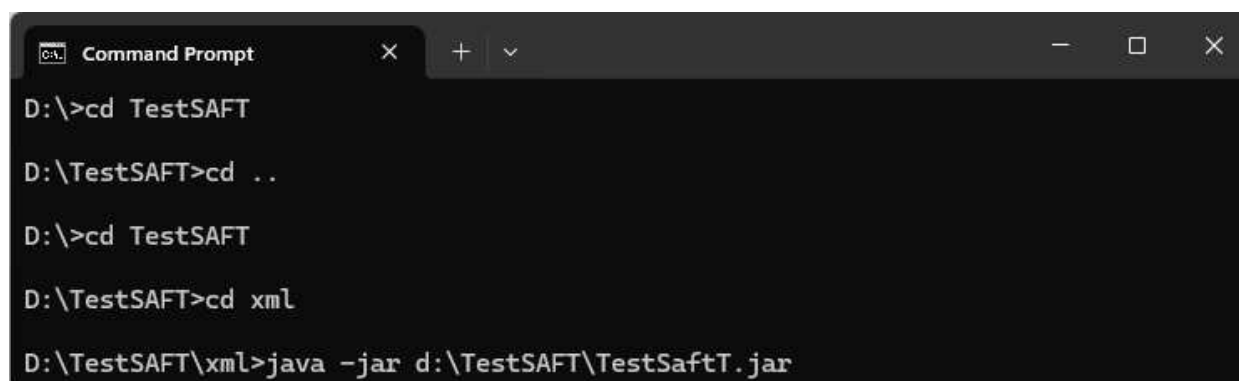
b) Cazul in care fisierele **xml** sunt in directorul de unde se lanseaza aplicatia (in exemplul nostru: fisierele xml ar fi tot in D:\TestSAFT)
Pentru a lansa aplicatia se poate tasta comanda: **java -jar TestSaftT.jar** (fara nici un parametru)



```
Command Prompt
C:\Users>d:
D:\>cd TestSAFT
D:\TestSAFT>cd ..
D:\>cd TestSAFT
D:\TestSAFT>java -jar TestSaftT.jar
```

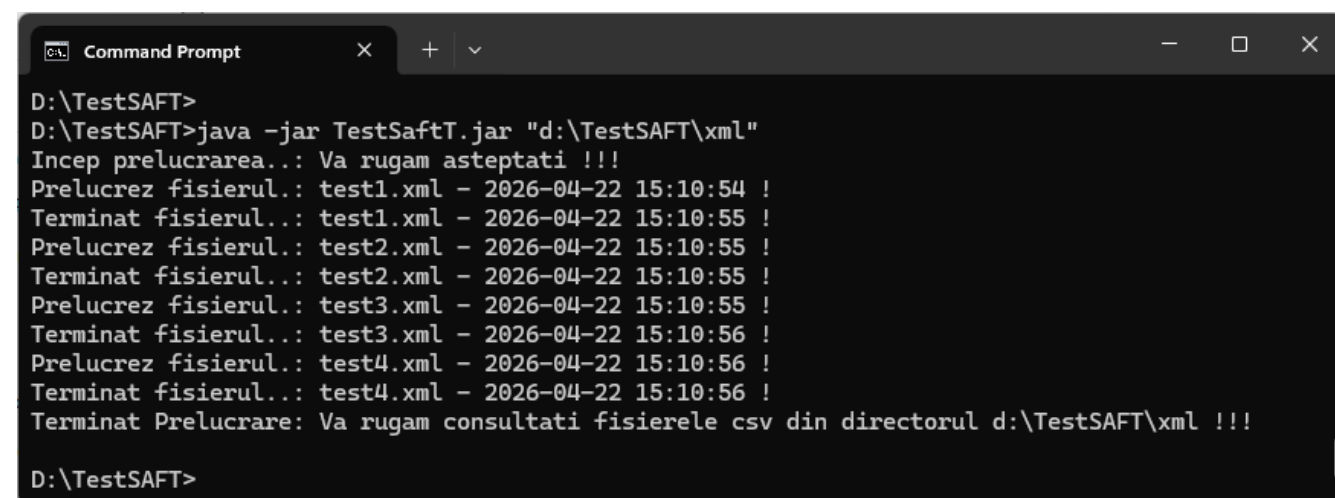
Observatie: Daca se lanseaza aplicatia din alt director, in care nu exista fisierul TestSaftT.jar dar exista fisierele xml de verificat, trebuie indicata si calea catre fisierul TestSaftT.jar.

Exemplu: daca lansam aplicatia din d:\TestSAFT\xml atunci linia de comanda va fi de genul:
java -jar D:\TestSAFT\TestSaftT.jar



```
Command Prompt
D:\>cd TestSAFT
D:\TestSAFT>cd ..
D:\>cd TestSAFT
D:\TestSAFT>cd xml
D:\TestSAFT\xml>java -jar d:\TestSAFT\TestSaftT.jar
```

4. In timpul rularii aplicatiei in fereastra Command Prompt apar diverse **mesaje**, ca in figura de mai jos



```
Command Prompt
D:\TestSAFT>
D:\TestSAFT>java -jar TestSaftT.jar "d:\TestSAFT\xml"
Incep prelucrarea... Va rugam asteptati !!!
Prelucrez fisierul..: test1.xml - 2026-04-22 15:10:54 !
Terminat fisierul..: test1.xml - 2026-04-22 15:10:55 !
Prelucrez fisierul..: test2.xml - 2026-04-22 15:10:55 !
Terminat fisierul..: test2.xml - 2026-04-22 15:10:55 !
Prelucrez fisierul..: test3.xml - 2026-04-22 15:10:55 !
Terminat fisierul..: test3.xml - 2026-04-22 15:10:56 !
Prelucrez fisierul..: test4.xml - 2026-04-22 15:10:56 !
Terminat fisierul..: test4.xml - 2026-04-22 15:10:56 !
Terminat Prelucrare: Va rugam consultati fisierele csv din directorul d:\TestSAFT\xml !!!
D:\TestSAFT>
```

- mesaj de incepere prelucrare
- mesaj de incepere prelucrare la un anumit xml
- mesaj de terminare prelucrare la un anumit xml
- mesaj de terminare prelucrare, cu indicarea directorului in care s-au creat fisierele rezultate in urma verificarii

Name	Date modified	Type	Size
Old	4/6/2026 1:29 PM	File folder	
test	4/22/2026 3:10 PM	File folder	
Header-test1-20260422_151054.csv	4/22/2026 3:10 PM	Foaie de calcul Op...	1 KB
Header-test2-20260422_151055.csv	4/22/2026 3:10 PM	Foaie de calcul Op...	1 KB
Header-test3-20260422_151055.csv	4/22/2026 3:10 PM	Foaie de calcul Op...	1 KB
Header-test4-20260422_151056.csv	4/22/2026 3:10 PM	Foaie de calcul Op...	1 KB
test1.xml	2/19/2026 1:41 PM	XML Document	16,001 KB
test2.xml	2/25/2026 3:20 PM	XML Document	8,018 KB
test3.xml	3/6/2026 1:29 PM	XML Document	10,224 KB
test4.xml	3/27/2026 2:33 PM	XML Document	24 KB

Aplicatia va verifica **numai** declaratiile **D406** SAFT pe care le gaseste in directorul indicat ca paramentru, indiferent de numarul lor, singura conditie fiind ca numele fisierele sa aiba extensia **xml** (Ex: numefisier202604-cui.xml).

Dupa terminarea verificarii se merge in **directorul selectat**, unde, pentru fiecare fisier verificat se va regasi **unul** sau **doua** fisiere de tip **csv**, cu delimitator **"#"**.

-un fisier care se creeaza obligatoriu, cu numele de forma:

Header-fisierxmlverificat-**AAAALLZZ_HHMMSS.csv**, si care contine informatii generale despre fisierul verificat

-numai in cazul in care se depisteaza erori de validare apare si al doilea fisier, cu numele de forma **Err**-fisierxmlverificat-**AAAALLZZ_HHMMSS.csv**, care contine erorile de validare cu indicarea testului care a generat eroarea

IV. Observatii

1.In functie de preferinte, se poate opta pentru una din aplicatii: TestSaftT.jar sau TestSaftW.jar, ele fiind identice din punct de vedere al verificarilor efectuate

2.Fiind realizate in java, aplicatiile functioneaza pe orice system de operare pe care este instalata o platforma java minim 8 (Windows, Linux, macOS)

Atentie: Daca pe sistemele cu Linux **nu** este instalata si o **interfata grafica**, evident ca aplicatia **TestSaftW.jar** nu functioneaza.

V. Lucru in Linux

De la o distributie de Linux la alta, pot sa difere anumite comenzi de cautare/instalare pachete. Urmatorul exemplu va face referire la **Ubuntu server 24.04**, fara o interfata grafica instalata:

1. Se cauta ce distributie de java se poate instala:

apt search java | grep openjdk

```
root@:/# apt search java | grep openjdk
WARNING: apt does not have a stable CLI interface. Use with caution in scripts.

openjdk-11-dbg/noble-updates,noble-security 11.0.30+7-1ubuntu1~24.04 amd64
openjdk-11-demo/noble-updates,noble-security 11.0.30+7-1ubuntu1~24.04 amd64
openjdk-11-doc/noble-updates,noble-security 11.0.30+7-1ubuntu1~24.04 all
openjdk-11-jdk/noble-updates,noble-security,now 11.0.30+7-1ubuntu1~24.04 amd64 [installed]
openjdk-11-jdk-headless/noble-updates,noble-security,now 11.0.30+7-1ubuntu1~24.04 amd64 [installed,automatic]
openjdk-11-jre/noble-updates,noble-security,now 11.0.30+7-1ubuntu1~24.04 amd64 [installed,automatic]
openjdk-11-jre-headless/noble-updates,noble-security,now 11.0.30+7-1ubuntu1~24.04 amd64 [installed,automatic]
openjdk-11-source/noble-updates,noble-security 11.0.30+7-1ubuntu1~24.04 all
openjdk-17-dbg/noble-updates,noble-security 17.0.18+8-1~24.04.1 amd64
```

Aplicatia necesita versiunea 8 minim, deci se poate instala **versiunea 11**. Sau, se poate cauta direct versiunea 8: **apt search java | grep openjdk-8**

```
root@:/# apt search java | grep openjdk-8
WARNING: apt does not have a stable CLI interface. Use with caution in scripts.

openjdk-8-dbg/noble-updates,noble-security 8u482-ga~us1-0ubuntu1~24.04 amd64
openjdk-8-demo/noble-updates,noble-security 8u482-ga~us1-0ubuntu1~24.04 amd64
openjdk-8-doc/noble-updates,noble-security 8u482-ga~us1-0ubuntu1~24.04 all
openjdk-8-jdk/noble-updates,noble-security 8u482-ga~us1-0ubuntu1~24.04 amd64
openjdk-8-jdk-headless/noble-updates,noble-security 8u482-ga~us1-0ubuntu1~24.04 amd64
openjdk-8-jre/noble-updates,noble-security 8u482-ga~us1-0ubuntu1~24.04 amd64
openjdk-8-jre-headless/noble-updates,noble-security 8u482-ga~us1-0ubuntu1~24.04 amd64
openjdk-8-source/noble-updates,noble-security 8u482-ga~us1-0ubuntu1~24.04 all
```

2. Se instaleaza java: **apt install openjdk-11-jdk**

3. Verificare instalare pachet: **dpkg -l openjdk-11-jdk**

```
root@:/# dpkg -l openjdk-11-jdk
Desired=Unknown/Install/Remove/Purge/Hold
| Status=Not/Inst/Conf-files/Unpacked/half-conf/Half-inst/trig-aWait/Trig-pend
|/ Err?=(none)/Reinst-required (Status,Err: uppercase=bad)
||/ Name Version Architecture Description
+++-+-----+-----+-----+-----+
ii openjdk-11-jdk:amd64 11.0.30+7-1ubuntu1~24.04 amd64 OpenJDK Development Kit (JDK)
```

4. Se testeaza java: **java --version**

```
root@:/# java --version
openjdk 11.0.30 2026-01-20
OpenJDK Runtime Environment (build 11.0.30+7-post-Ubuntu-1ubuntu124.04)
OpenJDK 64-Bit Server VM (build 11.0.30+7-post-Ubuntu-1ubuntu124.04, mixed mode, sharing)
```

5. Se creaza un director in care se copiaza fisierul **TestSaftT.jar** (neavand interfata grafica instalata aplicatia TestSaftW.jar nu ruleaza). Se creaza, de asemenea, un director in care se copiaza fisierele xml care vor fi verificate.

Exemplu:

```
mkdir /home/TestSAFT  
cp TestSaftT.jar /home/TestSAFT # Atentie la calea fisierului TestSaftT.jar  
mkdir /home/TestSAFT/xml  
cp *.xml /home/TestSAFT/xml # Atentie la calea fisierelor xml
```

Se verifica: **ls -al /home/TestSAFT** si **ls -al /home/TestSAFT/xml**

```
root@ [redacted] :/home/TestSAFT# ls -al /home/TestSAFT/  
total 104  
drwxr-xr-x 3 root root 59 Apr 23 08:46 .  
drwxr-xr-x 6 root root 208 Apr 23 08:29 ..  
-rw-r--r-- 1 root root 49261 Apr 20 14:27 TestSaftT.jar  
-rw-r--r-- 1 root root 51329 Apr 20 14:27 TestSaftW.jar  
drwxr-xr-x 2 root root 100 Apr 23 08:46 xml  
root@ [redacted] /home/TestSAFT# ls -al /home/TestSAFT/xml  
total 6088828  
drwxr-xr-x 2 root root 100 Apr 23 08:46 .  
drwxr-xr-x 3 root root 59 Apr 23 08:46 ..  
-rw-r--r-- 1 root root 16384090 Feb 19 13:41 test1.xml  
-rw-r--r-- 1 root root 8209524 Feb 25 15:20 test2.xml  
-rw-r--r-- 1 root root 10468938 Mar 6 13:29 test3.xml  
-rw----- 1 root root 23889 Mar 27 14:33 test4.xml  
-rw----- 1 root root 6199863782 Apr 22 15:59 TestCui_202507.xml
```

Observatie: In functie de utilizatorul care va rula aplicatia se pot folosi comenzile **chmod** si/sau **chown** pentru ca utilizatorul sa aiba drepturi asupra fisierelor si/sau directoarelor

```
chown -R root:root /home/TestSAFT/xml  
chown root:root /home/TestSAFT/TestSaftT.jar  
chmod 644 /home/TestSAFT/TestSaftT.jar  
chmod -R 755 /home/TestSAFT/xml
```

6. Se lanseaza aplicatia: **java -jar TestSaftT.jar /home/TestSAFT/xml**

```
root@ [redacted] :/home/TestSAFT# java -jar TestSaftT.jar /home/TestSAFT/xml  
Incep prelucrarea..: Va rugam asteptati !!!  
Prelucrez fisierul.: TestCui_202507.xml - 2026-04-23 07:54:19 !  
Terminat fisierul.: TestCui_202507.xml - 2026-04-23 08:08:45 !  
Prelucrez fisierul.: test4.xml - 2026-04-23 08:08:45 !  
Terminat fisierul.: test4.xml - 2026-04-23 08:08:45 !  
Prelucrez fisierul.: test1.xml - 2026-04-23 08:08:45 !  
Terminat fisierul.: test1.xml - 2026-04-23 08:08:46 !  
Prelucrez fisierul.: test2.xml - 2026-04-23 08:08:46 !  
Terminat fisierul.: test2.xml - 2026-04-23 08:08:47 !  
Prelucrez fisierul.: test3.xml - 2026-04-23 08:08:47 !  
Terminat fisierul.: test3.xml - 2026-04-23 08:08:48 !  
Terminat Prelucrare: Va rugam consultati fisierele csv din directorul /home/TestSAFT/xml !!!
```

7. Se verifica existenta fisierelor rezultate in urma testarii:

ls -al /home/TestSAFT/xml

```
root@ [redacted]:/home/TestSAFT# ls -al /home/TestSAFT/xml
total 6088856
drwxr-xr-x 2 root root      4096 Apr 23 08:53 .
drwxr-xr-x 3 root root       59 Apr 23 08:46 ..
-rw-r--r-- 1 root root      494 Apr 23 07:54 Err-TestCui_202507-20260423_075419.csv
-rw-r--r-- 1 root root      370 Apr 23 08:08 Header-test1-20260423_080845.csv
-rw-r--r-- 1 root root      389 Apr 23 08:08 Header-test2-20260423_080846.csv
-rw-r--r-- 1 root root      362 Apr 23 08:08 Header-test3-20260423_080847.csv
-rw-r--r-- 1 root root      302 Apr 23 08:08 Header-test4-20260423_080845.csv
-rw-r--r-- 1 root root      385 Apr 23 08:08 Header-TestCui_202507-20260423_075419.csv
-rw-r--r-- 1 root root 16384090 Feb 19 13:41 test1.xml
-rw-r--r-- 1 root root  8209524 Feb 25 15:20 test2.xml
-rw-r--r-- 1 root root 10468938 Mar  6 13:29 test3.xml
-rw----- 1 root root   23889 Mar 27 14:33 test4.xml
-rw----- 1 root root 6199863782 Apr 22 15:59 TestCui_202507.xml
```