

Clasa dict.java

```
import java.util.*;
import java.io.*;
import java.lang.*;
import citeste.*;
class dict implements Serializable
{
String engleza[];
String romana[];
int contor;
public dict()
{
engleza=new String[100];
romana=new String [100];
contor=0;
}
public int cauta(String sir)
{
for(int i=0;i<contor;i++)
    if((engleza[i].equals(sir)) || (romana[i].equals(sir)))
        return i;
return -1;
}
public void stergere(String sir)
{
int rez;=this.cauta(sir);
if(this.cauta(sir)!=-1)
{
System.out.println("S-a sters "+sir);
for(int j =0;j<contor;j++)
{
engleza[j]=engleza[j+1];
romana[j]=romana[j+1];
}
contor--;
else System.out.println("Sirul nu a fost gasit");
}
public int lungime()
{
return contor;
}
public void adauga(String e,String r)
```

```

{
engleza[contor]=e;
romana[contor]=r;
contor++;
}
}
class dicti implements dic,Serializable
{
dict date=new dict();
public dicti restaurare(String numefis) throws IOException
{
dicti d=new dicti();
try
{
ObjectInputStream fin=ObjectInputStream(new FileInputStream(numefis));
d=(dicti)fin.readObject();
fin.close();
}
catch(FileNotFoundException e){}
return d;
}
public void afisare_en()
{
int rez=date.lungime();
System.out.println(rez);
System.out.println("Dictionar Englez Roman");
for(int i=0;i<date.lungime();i++)
System.out.println("\n"+date.engleza[i]+"->"date.romana[i]);
}
public void afisare_ro()
int rez=date.lungime();
System.out.println(rez);
System.out.println("Dictionar Roman-Englez");
for(int i=0;i<date.lungime();i++)
System.out.println("\n"+date.romana[i]+"->"date.engleza[i]);
}
public void salvare_disc(String numefis) throws IOException
{
try
{
ObjectOutputStream fout=new ObjectOutputStream(new FileOutputStream(numefis));\
fout.writeObject(this);
fout.close();
}catch(FileNotFoundException e){}
}
}
}

```

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}
```

Clasa dictionar.java

```
public class dictionar
{
public static void main(String argv[]) throws IOException
dicti d=new dicti();
char c;
do
{
switch(meniu)
{
case 'A':d.afisare_en();
        d.afisare_ro();
        break;
case 'S':String sirs=citeste.sir("dati cuv de sters:");
        d.date.stergere(sirs);
        break;
case 'I':String sirr=citeste.sir("dati cuvantul in romana:");
        String sire=citeste.sir("dati cuvantul in engleza:");
        break;
case 'X':System.exit(0);
case 'D':d.salvare_disc("out.obj");
case 'R':d=d.restaurare("out.obj");
        Break;
}
}
while(true);
}
static char meniu()
{
System.out.println("A-Afisare dictionare\nS-Stergere\nD-Salvare pe disc\n
R-Restaurare de pe disc \nI-Introducere definitie \nX-exit");
C=citeste.car("Optiunea:");
try
{
System.in.read();
System.in.read();
}catch(IOException e){}
return Character.toUpperCase(c);
}
}
```