Model Iunie 2

II.

```
List<Suvenir> list = new ArrayList<>();
list.add(new Suvenir("Cesa", "Bumbac", 1, 2.5));
list.add(new Suvenir("Cesa2", "Metal", 3, 10.5));
list.add(new Suvenir("Cesa3", "Aur", 1, 1000.2));
```

a)
```
List<Suvenir> l = list.stream()
        .filter(s -> s.getMaterial().equals("aur")
&& s.getBrut() <= 100)
        .sorted((s1, s2) -> s1.getBrut() - s2.getBrut())
        .sorted((s1, s2) -> Double.compare(s1.getBrut(), s2.getBrut()))
        .toList();

for(Suvenir suv : l)
    System.out.println(suv);
```

b)
```
List<String> mat = list.stream()
        .map(Suvenir::getMaterial)
        .distinct()
        .toList();
System.out.println(mat);
```

c) List<Suvenir> plast = list.stream()
.filter(s -> s.getMaterial().equals("plast")
&& s.getBrut() >= 500 && s.getBrut() <= 1000)
.toList();

for(Suvenir su : plast)
System.out.println(su);

d) for(String ma : mat) {
List<Suvenir> suvs = list.stream()
.filter(s -> s.getMaterial().equals
(ma));
.toList();

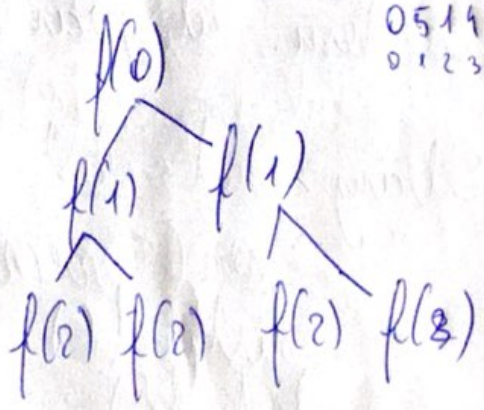
for(Suvenir s : suvs)
System.out.println(~~suv~~ s);

}

?F2F?FHF1F
0511233241150
0 1 2 3 4 5 6 7 8 9 10 11
1

I. 1. c)
2. c)
3. d)
4. ~~c)~~ b)

5. a)



IV.

```
class Singleton {
    private final String cssName;
    private final List<Persoana> l;
    private static Singleton instance;
    private Singleton(String cssName, List<Persoana> l){
        if(instance==null){
            instance=new Singleton(cssName,l);
        this.cssName = cssName;
        this.l=l;
    }
    public static Singleton getInstance(String cssName,
List<Persoana> l) {
        if (instance ==null){
            instance = new Singleton(cssName, l);
        }
        return instance;
    }
    public void read() {
        Scanner in = new Scanner(new FileInputStream
                                 (cssName));
        while(in.hasNext()) {
            String linie = in.nextLine();
            String[] cuv= linie.split("[ ,]+");
```

```
            Persona persona = new Persona(cur[0],
                                Integer.ParseInt(cur[1]));
            l.add(persona);
        }
        in.close();
    }
    public void write(){
        PrintStream out = new PrintStream(new FileOutputStr
                                (cssName));
        for(Persona p:l)
            out.println(p.toString());
```