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Ce se afișează la rularea codului urmator?     

class Student {  
 String nume,prenume;  
 public Student(String numeP, String prenumeP) { nume = numeP; prenume = prenumeP; }  
 public String getNume() { return nume; }  
 public String getPrenume() { return prenume; }  
}  
class Catalog {  
 List<Student> students;  
 public Catalog(List<Student> studs){ students = studs; }  
 public Iterable<Student> getStudents(){return students;}  
 @Override  
 public String toString(){  
 return students.stream()  
 .map(x->{return x.getNume()+" "+x.getPrenume();})  
 .reduce("",(x,string)->string+x);  
 }  
}  
public class Main {  
 public static void main(String[] args){  
 Catalog catalog = new Catalog(Arrays.asList(new Student("A","B"), new Student("D","E")));  
 Stream s = StreamSupport.stream(catalog.getStudents().spliterator(),false);  
 s.forEach(System.out::println);  
 s.forEach(System.out::println);  
 }  
}

Variante de răspuns:

1. A B D E
2. 2 adrese de memorie
3. Eroare: exceptie aruncata
4. 4 adrese de memorie

**Justificare raspuns**

Stream-urile pot fi consummate o singura data(linia 24 va arunca IllegalStateException: stream has already been operated on or closed).

**Concepte: redefinirea unei metode(overriding), streams , map , reduce, stream.**

**Dificultate: medium**