# Grila propusa de catre student:

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Grupa: 222

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Fie urmatoarele clasele Flower si Poppy definite mai jos.

Ce se afiseaza la rularea main?

1. class Flower {  
2. private int height;  
3.  
4. public Flower(int height){this.height = height;}  
5. *//...*6.@Override  
7. public String toString() {  
8. return "Flower{" +  
9. "height=" + height +  
10. '}';  
11. }  
12. }  
13.  
14. class Poppy extends Flower{  
15. public Poppy(int height) {  
16. super(height);  
17. }  
18. *//...*19. }  
20.  
21. public class Main {  
22.  
23. public static void main(String[] args) {  
24. List<Poppy> poppyList = new ArrayList<>();  
25. List<? extends Flower> list = poppyList;  
26. list.add(new Poppy(3));  
27. list.forEach(System.*out*::println);  
28. }  
29. }

Variante de răspuns:

1. a) nimic
2. b) eroare la linia 25
3. c) Flower{height=3}
4. d) eroare la linia 26

**Justificare raspuns:**

Deoarece List<Poppy> este un subtip al List<? extends Flower>, putem asigna poppyList la list.

Nu putem in schimb sa adaugam un obiect in lista, deoarece o lista de tip List<? extends Flower>, este, in general, o lista de tip read-only, insa exista cateva operatii care se pot realiza pe aceasta, cum ar fi:

* se poate adauga null,
* se poate invoca clear,
* se poate obtine un iterator pe lista si se poate invoca remove.

**Referinte web:** [**https://docs.oracle.com/javase/tutorial/java/generics/wildcardGuidelines.html**](https://docs.oracle.com/javase/tutorial/java/generics/wildcardGuidelines.html)

Dificultate: (Easy, **Medium**, Difficult)