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Ce se afiseaza la rularea codului urmator ?

class ComplexNumber{  
 private static double *re*;  
 private static double *im*;  
  
 ComplexNumber(double re, double im){  
 this.*re*=re;  
 this.*im*=im;  
 }  
  
 public void add(ComplexNumber c){  
 this.*re*=this.*re*+c.*re*;  
 this.*im*=this.*im*+c.*im*;  
 }  
  
 @Override  
 public String toString() {  
 return this.*re* + "+" + this.*im* + "\*i";  
 }  
}  
  
public class Main {  
 public static void main(String[] args) {  
 ComplexNumber complexNumber1 = new ComplexNumber(2, 40);  
 complexNumber1.add(complexNumber1);  
 ComplexNumber complexNumber2 = new ComplexNumber(40, 3);  
 complexNumber1.add(complexNumber2);  
 System.*out*.println(complexNumber1.toString());  
 }  
}

a)44.0+83.0\*i

b)80.0+6.0\*i

c)eroare

d) 8.0+160.0\*i

**Raspuns corect**: b)80.0+6.0\*i

**Explicatie**: O variabila statica este in esenta o variabila globala. Atunci cand este creata o astfel de variabila ea este partajata intre toate obiectele la nivel de clasa. Toate instantele clasei au aceeasi variabila statica.

**Referinte web**:

* <https://www.geeksforgeeks.org/static-keyword-java/>
* <https://www.javatpoint.com/static-keyword-in-java>
* <https://www.dummies.com/programming/java/what-is-the-static-keyword-in-java/>

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