package tudor;  
  
import java.lang.reflect.\*;  
  
public class Test {  
 public static void main(String[] args) throws ClassNotFoundException, IllegalAccessException, InstantiationException, NoSuchFieldException {  
 Class<S> SClass = (Class<S>) Class.*forName*("tudor.S");  
 S limo = SClass.newInstance();  
 Field year = SClass.getDeclaredField("year");  
 Field engineSize = SClass.getDeclaredField("engineSize");  
  
  
 year.set(limo, 2017);  
  
  
 engineSize.setAccessible(true);  
 engineSize.set(limo,5.5);  
 engineSize.setAccessible(false);  
  
 System.*out*.println(limo.toString());  
  
 /\*  
 Variante de raspuns:  
 a. year:2000, engineSize:5.5  
 b. year:2017, engineSize:5.5  
 c.eroare la runtime  
 d. year:2000, engineSize:5.5  
  
 Raspuns: c, pentru ca field-urile clasei S sunt private, iar noi ar trebui sa ne folosim de metoda setAccesible si la field-ul year pentru a putea modifica valoarea acesteia.  
 \*/  
 }  
}