## Propunere grile

## Grila propusă de către student:

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* Grila

Care linii de cod vor afisa "Buna Petru, sunt eu George!"?

public class Object1 {  
 private Long id;  
 private String param1;

public Object1() {  
 }

public Object1(Long id, String param1) {  
 this.id = id;  
 this.param1 = param1;  
 }

public Long getId() {  
 return id;  
 }

public void setId(Long id) {  
 this.id = id;  
 }

public String getParam1() {  
 return param1;  
 }

public void setParam1(String param1) {  
 this.param1 = param1;  
 }

private void afisare(String ceva){  
 System.out.println("Buna "+ ceva +", sunt eu " + param1 + "!");  
 }

}

1. Class<Object1> cls = (Class<Object1>) Class.forName("Object1");  
   Constructor<Object1> constructor= cls.getConstructor();  
   Field f1 = cls.getDeclaredField("param1");  
   f1.setAccessible(true);  
   f1.set("George");  
   Method m=cls.getDeclaredMethod("afisare", String.class);  
   m.setAccessible(true);  
   m.invoke("Petru");
2. Class<Object1> cls = (Class<Object1>) Class.forName("Object1");  
   Constructor<Object1> constructor= cls.getConstructor();  
   Object1 obj=constructor.newInstance();  
   Field f1 = cls.getField("param1");  
   f1.set(obj, "George");  
   Method m=cls.getMethod("afisare", String.class);  
   m.invoke(obj,"Petru");
3. Class<Object1> cls = (Class<Object1>) Class.forName("Object1");  
   Constructor<Object1> constructor= cls.getConstructor();  
   Object1 obj=constructor.newInstance();  
   Field f1 = cls.getDeclaredField("param1");  
   f1.setAccessible(true);  
   f1.set(obj, "George");  
   Method m=cls.getDeclaredMethod("afisare", String.class);  
   m.setAccessible(true);  
   m.invoke(obj,"Petru");
4. Class<Object1> cls = (Class<Object1>) Class.forName("Object1");  
   Constructor<Object1> constructor= cls.getConstructor();  
   Object1 obj=constructor.newInstance();  
   Field f1 = cls.getDeclaredField("param1");  
   f1.setAccessible(true);  
   f1.set(obj, "George");  
   Method m=cls.getMethod("afisare", String.class);  
   m.invoke(obj,"Petru");

* Răspuns corect(single choice)

c

* Justificarea răspunsului

Răspunsul *a* e incorect deoarece nu contine instanta obiectului pentru functiile f1.set() si m.invoke() iar raspunsurile b si d sunt gresite deoarece nu ia in considerare faptul ca metoda „afisare” este privata

* Reflection(Curs 7)
* Grad de dificultate: Easy