Assignment 5

The due date for submitting this assignment has passed. Due on 2020-03-04, 23:59 IST. As per our records you have not submitted this assignment.

1) Which one is correct declaration for implementing two interfaces?

   a. class C implements A, B { }
   b. class C implements A, implements B { }
   c. class C implements A extends B { }
   d. class C extends A, B { }

   [ ] a.
   [ ] b.
   [ ] c.
   [ ] d.

No, the answer is incorrect. Score: 0

Accepted Answers:
   a.

2)
Which access type data gets derived as private member in derived class?

- private
- public
- protected
- default

All interface methods are implicitly

- public and final
- public and abstract
- protected and abstract
- private and abstract

No, the answer is incorrect.
Score: 0
Accepted Answers: c.

No, the answer is incorrect.
Score: 0
Accepted Answers: b.
4) Consider the following piece of code.

```java
public class Trycatchfinally {
    public static void main(String []args) {
        try {
            System.out.println("try");
            System.exit(0);
        }
        catch(ArithmeticException e){
            System.out.println("catch");
        }
        finally {
            System.out.println("finally");
        }
    }
}
```

Which of the following statement(s) is/are correct?

- a. The output of the code is `try` `catch` `finally`
- b. The output of the code is `try`
- c. The output of the code is `try` `finally`
- d. The output of the code is `catch` `finally`

No, the answer is incorrect.
Score: 0
Accepted Answers: b.

5) Does a subclass inherit both member variables and methods?

- a. No—only member variables are inherited.
- b. No—only methods are inherited.
- c. Yes—both are inherited - but not those are declared as private.
- d. Yes—only the members/methods with protected are inherited.
Consider the following program.

```java
public class Question4{
    public static void main(String args[]){
        int arr[]={0,1,2,3,4};
        int index=0;
        while(arr[index]==index){
            System.out.print(arr[index]);
            index++;
        }
    }
}
```

If the program is executed, then what will be the output from the execution?

a. 01234  
b. 01234 with ArrayIndexOutOfBoundsException  
c. ArrayIndexOutOfBoundsException  
d. Compilation error

No, the answer is incorrect.  
Score: 0  
Accepted Answers:  
c.  

7) Which of the following is a class?
   a. DriverManager  
   b. Connection  
   c. Statement  
   d. ResultSet

No, the answer is incorrect.  
Score: 0  
Accepted Answers:  
b.  

Consider the program given below.

```java
public class Question8{
    static public void method1(){
        System.out.println("This");
    }
    public static void method2(){
        System.out.println("is");
    }
    static public int method3(){
        System.out.println("Java");
        return 0;
    }
    public static void main(String args[]){
        try{
            method1();
        }catch(Exception e){
            System.out.println("1:"+e);
        }
        try{
            method2();
        }catch(Exception e){
            System.out.println("2:"+e);
        }
        try{
            method3();
        }catch(Exception e){
            System.out.println("3:"+e);
        }
    }
}
```

What will be the output of the following code?

- a. This
  - is
  - Java
- b. Exception at method 1
- c. Exception at method 2
- d. Exception at method 3

No, the answer is incorrect.
Score: 0
Accepted Answers:

9)
Consider the following code segment.

```java
class Refer{
    static int a = 1;
}
class Answer extends Refer{
    static int a = 2;
}
public class Question9 extends Answer{
    public static void main(String args[]){
        a = 5;
        System.out.println(Answer.a);
        System.out.println(Reference.a);
    }
}
```

What will be the output of the following code?

a. 1
   1

b. 1
   2

c. 5
   1

d. 5
   5

☐ a.
☐ b.
☐ c.
☐ d.

No, the answer is incorrect.
Score: 0
Accepted Answers:
c.

10) 1 point
Consider the following piece of program.

```java
class Parent {
    int a=40;
    int b=20;
}

public class Child1 extends Parent {
    int a=100;
    int b=200;

    void add(int a, int b) {
        //body
    }

    public static void main(String[] args) {
        Child1 c = new Child1();
        c.add(1000, 2000);
    }
}
```

Which of the following statements(s) is/are replaced in body of the function definition of `void add(int a, int b)` to get the output 60?

- a. `System.out.println(this.a+b);`
- b. `System.out.println(this.a+this.b)`
- c. `System.out.println(super.a+super.b);`
- d. `System.out.println(a+b);`

No, the answer is incorrect.
Score: 0
Accepted Answers:
c.