Unit 14 - Week 12:

Assignment 12

The due date for submitting this assignment has passed. Due on 2020-04-22, 23:59 IST. As per our records you have not submitted this assignment.

1) 1 point
What is the use of Socket and ServerSocket in Java Networking? Select the appropriate option(s).

a. The class Socket is used to run two programs in two different machines and then communicate each other.
b. The class Socket is used to run two programs in the same machines and then communicate each other.
c. The class ServerSocket is used to run two programs in two different machines and then communicate each other.
d. The class ServerSocket is used to run a program in a machine and then listen to other programs defined with Socket class.

☐ a.
☐ b.
☐ c.
☐ d.
No, the answer is incorrect.
Score: 0
Accepted Answers:
d.

2) 1 point

https://onlinecourses.nptel.ac.in/noc20_cs08/unit?unit=13&assessment=189
Consider the following class definition:

```java
class Student extends String {
}
```

Which of the following statement(s) is(are) TRUE?

- a. Code will not compile because the body is not defined.
- b. Code will not compile because the class is not declared as public.
- c. Code will not compile because of the super class String.
- d. Code will compile successfully.

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

3) Execution of SQL command like SELECT * FROM myTable using JDBC program will return a ResultSet object. This object is

- a. Same as the myTable.
- b. All records in verbatim from the table.
- c. All records in verbatim from the table but those records with null values.
- d. All records in verbatim from the table but those records are not with null values.

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

4) We would like to make a member of a class invisible in all sub classes regardless of what package they are in. Which of the following keyword would achieve this?

- a. public
- b. private
- c. protected
- d. final

```
5) Which of the following is/are reserved keyword(s)?

- a. switch
- b. string
- c. lang
- d. this

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

6) Which of the following method(s) belong(s) to the String class?

- a. length()
- b. compareTo()
- c. equals()
- d. append()

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

7)


**Consider the following piece of code in Java.**

```java
public class Test{
    public static void main(String args[]){
        class Foo{
            public int i = 3;
        }
        Object o = (Object)new Foo();
        Foo foo = (Foo)o;
        System.out.println("i = " + foo.i);
    }
}
```

Which of the following is the result?

a. i = 3
b. The program will not be able to compile successfully.
c. A ClassCastException is thrown at line 6
d. A ClassCastException is thrown at line 7

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

8) **Which of the following statements would NOT cause a compilation error?**

a. float[] = new float(3);
b. float f2[] = new float[];
c. float[] f1 = new float[3];
d. float f3[] = new float[3];
e. float f5[] = { 1.0f, 2.0f, 2.0f };
f. float f4[] = new float[] { 1.0f, 2.0f, 3.0f };

No, the answer is incorrect.
Score: 0
Accepted Answers:
c. d. e. f.
9) **Consider the following piece of code in Java.**

```java
class Test {
    public static void aMethod() throws Exception {
        try {
            throw new Exception();
        }
        finally {
            System.out.print("finally ");
        }
    }
    public static void main(String args[]) {
        try {
            aMethod();
        }
        catch (Exception e) {
            System.out.print("exception ");
        }
        System.out.print("finished ");
    }
}
```

What is the result, if the above-mentioned program is executed?

a. finally
b. exception finished
c. finally exception finished
d. Compilation fails

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

10) **Which of the statements are correct about Swing programming?**

a. AWT is a heavyweight programming.
b. Swing is heavyweight programming.
c. Swing is lightweight programming.
d. Both AWT and Swing are lightweight programming

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