

# ASSESSMENT-6 (Fiserv)

Trainer: Sagar

## 1. **Batch1:**

Participant's Name-

Enter your answer


## 2. **Batch2:**

Participant's Name-

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3. What is the result of adding an 'int' and a 'double' value in Java? (1 Point)

- ☐ An 'int'
- ☐ A 'double'
- ☐ Compilation/Syntax error
- ☐ Runtime error/exception


4. What is the value of z after the following statement in Java: `int z = 7; z /= 2;`?  
(1 Point) 

☐ 3.5

☒ 3

☐ 2

☐ 7

5. What does the ternary operator `? :` in Java do (1 Point) 

☐ It calculates the remainder of a division operation.

☐ It assigns a value to a variable.

☒ It performs a conditional test and returns one of two values.

☐ It increments a variable by 1.

6. What is the output of the following Java code?

```
int i = 1;
```

```
while (true) {
```

```
    if (i % 3 == 0) {
```

```
        break;
```

```
    }
```

```
    System.out.print(i + " ");
```

```
    i++;
```

```
}
```

(1 Point) 

☐ 1 2 3

☒ 1 2

☐ This code will result in an infinite loop.

☐ 1

7. Consider the following Java class:

```
public class Student {  
  
    private int studentId;  
  
    private String studentName;  
  
    public Student(int id, String name) {  
        studentId = id;  
        studentName = name;  
    }  
  
    public void displayInfo() {  
        System.out.println("Student ID: " + studentId);  
        System.out.println("Student Name: " + studentName);  
    }  
}
```

How can you access the studentId and studentName instance variables from outside the Student class?

(1 Point)

- ☐ You cannot access them from outside the class.
- ☐ By creating a new instance of the Student class and using the dot notation.
- ☐ By using a getter method to retrieve their values.
- ☐ By changing the access modifier to public.

8. In Java, which keyword is used to access a class variable from outside the class?  
(1 Point)

- ☐ static
- ☐ final
- ☐ this
- ☐ super

9. Consider the following Java code snippet:  
public class MyClass {

```
    public static void main(String[] args) {  
  
        System.out.println(countDigits(12345));  
  
    }
```

```
    public static int countDigits(int number) {  
  
        if (number == 0) {  
  
            return 1;  
  
        } else {
```

```
        return 1 + countDigits(number / 10);  
    }  
}  
}
```

What is the output of the main method?

(1 Point)

- ☐ 0
- ☐ 1
- ☐ 5
- ☐ 15

10. In Java, what is method abstraction? (1 Point)

- ☐ A method that is declared but not implemented.
- ☐ A method that is private and cannot be accessed from outside the class.
- ☐ A method that is declared with the abstract keyword and lacks a method body.
- ☐ A method that performs a specific mathematical operation.

11. In Java, which keyword is used to invoke one constructor from another constructor within the same class?

(1 Point)

- ☐ A.this

- ☐ B. super
- ☐ C. constructor
- ☐ D. extends

12. In Java, when is a default (no-argument) constructor automatically provided by the compiler for a class? (1 Point)

- ☐ When there are no instance variables in the class.
- ☐ When there are no methods in the class.
- ☐ When no constructors are defined in the class.
- ☐ When the class is marked as final.

13. Consider the following Java classes:

```
class Animal {  
  
    void eat() {  
  
        System.out.println("Animal is eating");  
  
    }  
  
}
```

```
class Dog extends Animal {  
  
    void eat() {  
  
        System.out.println("Dog is eating");  
  
    }  
  
}
```

```
}
```

```
public class Test {  
  
    public static void main(String[] args) {  
  
        Animal animal = new Dog();  
  
        animal.eat\(\);  
  
    }  
  
}
```

What is the output of the main method?

(1 Point)

- ☐ Animal is eating
- ☐ Dog is eating
- ☐ Compilation error
- ☐ Runtime error

14. In Java, when a subclass method attempts to override a superclass method, which of the following conditions must be satisfied? (1 Point)

- ☐ The subclass method must have a different name from the superclass method.
- ☐ The subclass method must have the same name, return type, and parameters as the superclass method.
- ☐ The subclass method must have the same name and return type as the superclass method.

- ☐ The subclass method must have a different access modifier than the superclass method.

15. Consider the following Java classes:

```
class Animal {  
  
    void makeSound() {  
  
        System.out.println("Animal makes a sound");  
  
    }  
  
}
```

```
class Cat extends Animal {  
  
    void makeSound() {  
  
        System.out.println("Cat meows");  
  
    }  
  
}
```

```
class Dog extends Animal {  
  
    void makeSound() {  
  
        System.out.println("Dog barks");  
  
    }  
  
}
```

```
public class Test {
```



```
public static void main(String[] args) {  
  
    Animal[] animals = { new Cat(), new Dog() };  
  
    for (Animal animal : animals) {  
  
        animal.makeSound();  
  
    }  
  
}  
  
}
```

What is the output of the **main** method?

(1 Point)

- ☐ Animal makes a sound Animal makes a sound
- ☐ Cat meows Dog barks
- ☐ Compilation error
- ☐ Runtime error

16. Write down the Implementation classes of Map Interface (1 Point)

Enter your answer

17. Write a Sample program to convert the LinkedList to HashSet, Print both the LinkedList and HashSet values (1 Point)

Enter your answer

18. Write a Program to implement the Descending of Integers data using Comparator Interface.  
(1 Point)

Enter your answer

19. Explain about finally keyword in Java? \_\_\_\_\_ (1 Point)

Enter your answer

20. Write a program to illustrate the String is immutable and StringBuffer is mutable  
(1 Point)

Enter your answer

21. What is the Difference between ArrayList and LinkedList (1 Point)

Enter your answer

22. What is the Difference between List and Set

(1 Point)

---

Enter your answer

23. What are the differences between Enumerator, Iterator and List Iterator

(1 Point)

---

Enter your answer

24. Write a program to remove the duplicate words in a given String using HashMap  
And Count the number of times each repeated/duplicated words (1 Point)

Enter your answer

25. Which Implementation of Iterator can traverse a collection back and forth?  
(1 Point)

- ☐ Iterator
- ☐ ListIterator
- ☐ SetIterator
- ☐ MapIterator

26. Please Explain Difference between InputStream and Output Stream w.r.t File Handling (1 Point)

Enter your answer

27. Please Write Sample Code Snippet to Insert the Data into Database using JDBC (1 Point)

Enter your answer

28. Please Write Sample Code snippet with Lambda Expressions (1 Point)

Enter your answer

29. Please Write Sample Code snippet with Java Stream APIs (1 Point)

Enter your answer

30. List down the Java8 Features (1 Point)

Enter your answer

31. Please Write the Code Snippet to Read the Data from XML file (1 Point)

Enter your answer

32. Please Write Code snippet to explain Customized/Userdefined Exception (1 Point)

Enter your answer

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