JAVA Assessment – 1 (Fiserv)

Trainer:Sagar

1. Name *

   Enter your answer

2. 1.   The smallest integer type is ..... and its size is ..... bits (1 Point)

   ○ a) Short, 8

   ○ b) Byte, 8

   ○ c) Short, 16

   ○ d) Byte, 16

3. 1.   Determine Output:

   class A{

           public static void main(String args[]){

                   int x;

                   x=10;

```
            if(x==10){

                    int y=20;

                    System.out.println("x and y: "+ x+" " + "y");

                    y=x*2;

            }

            y=100;

            System.out.println("x and y: "+ x+" " + "y");

        }

}
```
(1 Point)

○ a) 10 20 10 100

○ b) 10 20 10 20

○ c) 10 20 10 10

○ d) Compilation Error

4. 1.   In Java, the word true is……. (1 Point)

○ a) A Java keyword

○ b) A Boolean literal

○ c) Same as value 1

○ d) Same as value 0

5. 1.   What will be the output of following program

public class Test{

        public static void main(String args[]){

                byte b=127;

                b++;

                b++;

                System.out.println(b);

        }

} (1 Point)

○ a) 2

○ b) 129

○ c) -127

○ d) Compiler Error

6. 1.   What is the output of the following program

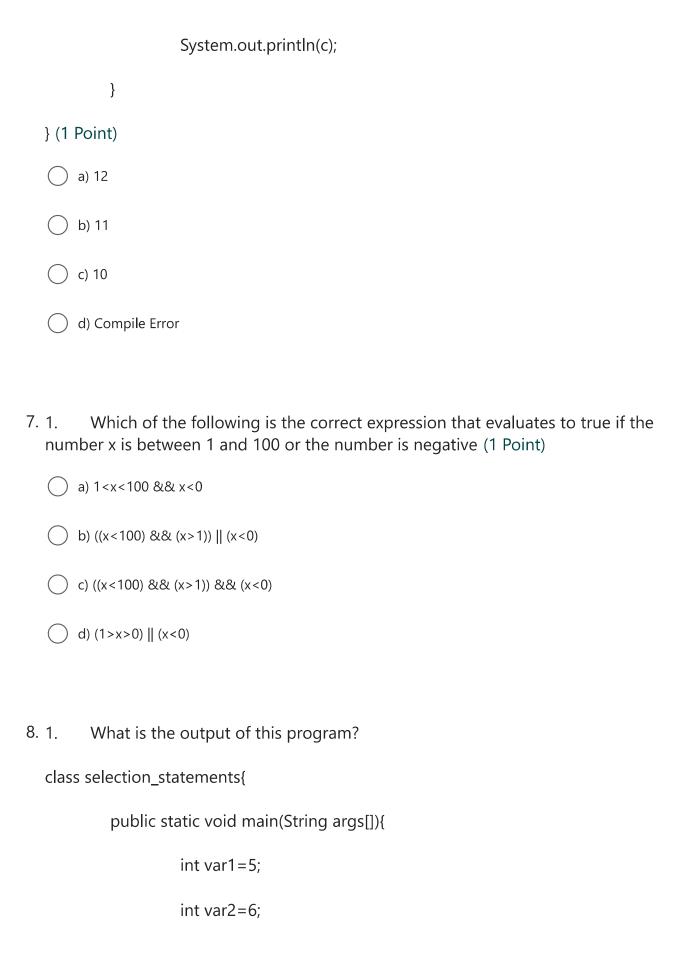class Numbers{

        public static void main(String args[]){

                int a=20, b=10;

                if((a<b) && (b++ < 25)){

                        System.out.println("This is any language logic");

                }

System.out.println(c);

```
        }
```

} (1 Point)

○ a) 12

○ b) 11

○ c) 10

○ d) Compile Error

7. 1.   Which of the following is the correct expression that evaluates to true if the number x is between 1 and 100 or the number is negative (1 Point)

○ a) 1<x<100 && x<0

○ b) ((x<100) && (x>1)) || (x<0)

○ c) ((x<100) && (x>1)) && (x<0)

○ d) (1>x>0) || (x<0)

8. 1.   What is the output of this program?

class selection_statements{

```
        public static void main(String args[]){

                int var1=5;

                int var2=6;
```

```
                              if((var2=1)==var1)

                                      System.out.println(var2);

                              else

                                      System.out.println(++var2);

                      }

        }
```
(1 Point)

- ○ a) 1

- ○ b) 2

- ○ c) 3

- ○ d) 4

9. 1.   int j=50;

```
while(true){

            if(j<10){

                              break;

                      j-=10;

            }

}
```

System.out.println("j is "+j); (1 Point)

- ○ a) Error

- ○ b) J is 0

c) J is 50

d) No output

10. 1.   Consider the code snippet and select the correct output

if(true && false && true || false)

         System.out.println("True.");

else

         System.out.println("False."); (1 Point)

a) True.

b) False.

11. 1.   Which statement is Incorrect (1 Point)

a) For loop must be used when number of iteration is fixed, it is recommended to use for loop.

b) For loop must be used when the number of iteration is not fixed, it is recommended to use for loop.

c) For(intit;condition;incr/decr){//code to be executed} is for loop syntax

d) For loop is a control flow statement that iterates a part of the program multiple times

12. 1.   What will be the output of the program?

public class Test

{

```java
public static void main(String [] args)

{

boolean b1=false, b2=false;

        int x = 0;

    if ( !b1 ) /* Line 7 */

    {

        if ( !b2 ) /* Line 9 */

        {

            b1 = true;

            x++;

            if ( 5 > 6 )

            {
                x++;
            }

            if ( !b1 )

                x = x + 10;

            else if ( b2 = true ) /* Line 19 */

                x = x + 100;

            else if ( b1 | b2 ) /* Line 21 */

                x = x + 1000;

        }

    }

    System.out.println(x);
```

}

}
(1 Point)

○ a) 0

○ b) 1

○ c) 101

○ d) 102

13. 1.   What is the output of this program?

class Output

{

public static void main(String args[])

{

int x , y = 1;

x = 10;

if (x != 10 && x / 0 == 0)

System.out.println(y);

else

System.out.println(++y);

}

}
(1 Point)

○ a) 1

○ b) 2

○ c) Runtime error owing to division by zero in if condition

○ d) Unpredictable behavior of program

14. 1.   Choose the correct statement about Java prefix and Postfix operations
(1 Point)

○ a) Prefix operation is carried out immediately and the variable value will be incremented or decremented accordingly

○ b) Postfix operation is carried out on the next line or statement. So the variable value will not change.

○ c) both a and b

○ d) None of the above

15. 1.   What will be the Output of the program?

class Main {

  public static void main(String [] args)

  {

    int x=20;

    String sup = (x < 15) ? "s" : (x < 22)? "t" : "h";

    System.out.println(sup);

  }

}
(1 Point)

○ a) s

○ b) t

○ c) h

○ d) compiler error

16. 1.   What is the Output of the below Program

public class NestedIfDemo {

    public static void main(String[] args) {

        int a=543;

        System.out.println("Hello India....!!!");

        if(a<=0){

            System.out.println("Positive number");

            if(a%2==0){

                System.out.println("Even number");

            }

        }else if (a>=500){

            System.out.println("Negative number");

            if(a>=5000){

                System.out.println("Number which is greater than -50");

            }else{

```
        System.out.println("Number which is less than -50");

      }

    }

  }

} (1 Point)
```

Enter your answer

17. 1.   What is the Output of the below program?

```
class ForDemo {

  public static void main(String[] args) {


    for(int i=20;i>=8;i=i-5){

      System.out.println(i);

    }

    int i=0;

    for(i=1;i<=20;i=i+3){

      if(i<=5){

        i=i+10;

        System.out.println("Core Java and i value is :"+i);

      }else{

        System.out.println("Advanced Java and i value is :"+i);
```

```
            }

        }

        System.out.println("Final value of i is :"+i);



    }

  } (1 Point)
```

Enter your answer

18. 1.   What is the Out of the below program?

    int i=5;

    i=(i--) + (++i) + (i--) + (--i) + (++i) + (++i);

    System.out.println(i);

      (1 Point)

    Enter your answer

19. 1.   Write a Program to print the below format

    1

                                    2   2

		3	3	3
	4	4	4	4
5	5	5	5	5 (1 Point)

Enter your answer

20. Write a Program to print the reverse of a given number [take '3' digit number and perform]
(1 Point)

Enter your answer

21. Write a Program to print the first 10 Non-Prime numbers.
(1 Point)

Enter your answer