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**FULL STACK DEVELOPMENT – WORKSHEET 1**  
**Batch - FSG0123**

**Q1. What is the size of float and double in java?**

- A. 32 and 64**
- B. 32 and 32**
- C. 64 and 64**
- D. 64 and 32**

**Ans: A. 32 and 64**

**Q2. Automatic type conversion is possible in which of the possible cases?**

- A. Byte to int**
- B. Int to long**
- C. Long to int**
- D. Short to int**

**Ans: A. Byte to int**  
**B. Int to long**  
**D. Short to int**

**Q3. Find the output of the**

**following** code.int Integer =

24;

char String = 'I';

System.out.print(In

teger);

System.out.print(St

ring);

- A. Compile error**
- B. Throws exception**
- C. I**
- D. 24 I**

**Ans: 24 I**

**Q4. Find the output of the following program.**

```
public class Solution{  
    public static void main(String[]  
        args){short x = 10;  
        x = x * 5;  
        System.out.  
        print(x);  
    }  
}
```

- A.** 50
- B.** 10
- C.** Compile error
- D.** Exception

**Ans:** Compile error

**Q5. Find the output of the following program.**

```
public class Solution{  
    public static void main(String[] args){ b  
        yte x = 127;  
        x++; x++;  
        System.out.print(x);  
    }  
}
```

- A. -127**
- B. 127**
- C. 129**
- D. 2**

**Ans: 127**

**Q6. Select the valid statement.**

- A. char[] ch = new char(5)**
- B. char[] ch = new char[5]**
- C. char[] ch = new char()**
- D. char[] ch = new char[]**

**Ans: B. char[] ch = new char[5]**

**Q7. Find the output of the following program.**

```
public class Solution{  
    public static void main(String[] args){  
        int[] x = {120, 200, 016};  
        for(int i = 0; i < x.length; i++){  
            System.out.print(x[i] + " ");  
        }  
    }  
}
```

- A. 120 200 016
- B. 120 200 14
- C. 120 200 16
- D. None

**B. 120 200 14**

**Q8. When an array is passed to a method, what does the method receive?**

- A. The reference of the array
- B. A copy of the array
- C. Length of the array
- D. Copy of first element

**Ans: A. The reference of the array**

**Q9. Find the value of A[1] after execution of the following program.**

```
int[] A = {0,2,4,1,3};  
for(int i = 0; i < a.length; i++){  
    a[i] = a[(a[i] + 3) % a.length];  
}
```

- A. 0
- B. 1
- C. 2
- D. 3

**Ans: B. 1**

**Q10. When is the object created with a new keyword?**

- A. At run time
- B. At compile time
- C. Depends on the code
- D. None

**Ans: A. At run time**

**Q11. Identify the corrected definition of a package.**

- A. A package is a collection of editing tools
- B. A package is a collection of classes
- C. A package is a collection of classes and interfaces
- D. A package is a collection of interfaces

**Ans: C. A package is a collection of classes and interfaces**

**Q12.** Identify the keyword among the following that makes a variable belong to a class, rather than being defined for each instance of the class.

- A. final
- B. static
- C. volatile
- D. abstract

**Ans: Static**

**Q13.** Identify what can directly access and change the value of the variable res

```
Package com.mypackage;  
Public class Solution{  
Private int res = 100;  
}
```

- A. Any class
- B. Only Solution class
- C. Any class that extends Solution
- D. None

**Ans: B. Only Solution class**

**Q14.** In which of the following is the toString() method defined?

- A. java.lang.Object
- B. java.lang.String
- C. java.lang.util
- D. None

**Ans: A. java.lang.Object**

**Q15.** Identify the output of the following program.  
String str = "abcde";  
System.out.println(str.substring(1, 3));

- A. abc
- B. bc
- C. bcd
- D. cd

**Ans: B. bc**

**Q16.** Identify the output of the following program.  
String str = "Hellow";  
System.out.println(str.indexOf('t'));

- A. 0
- B. 1
- C. true
- D. -1

**Ans: D. -1**

**Q17.**Identify the output of the following program.

```
Public class Test{  
    Public static void main(String argos[]){  
        String str1 = "one";  
        String str2 = "two";  
        System.out.println(str1.concat(str2));  
    }  
}
```

- A. one
- B. two
- C. onetwo
- D. twoone

**Ans: C. onetwo**

**Q18.** How many objects will be created in the following?

```
String a = new String("FlipRobo");  
String b = new String("FlipRobo");  
String c = "FlipRobo";  
String d = "FlipRobo";
```

- A. 2
- B. 3
- C. 4
- D. None

**Ans: B. 3**

**Q19.** Find the output of the following code.

```
int ++a = 100;  
System.out.println(++a);
```

- A. 101
- B. Compile error as ++a is not valid identifier
- C. 100
- D. None

**Ans: B. Compile error as ++a is not valid identifier**



**Q20.** Find the output of the following code.

```
if(1 + 1 + 1 + 1 + 1 == 5){  
    System.out.print("TRUE");  
}  
else{  
    System.out.print("FALSE");  
}
```

- A.** TRUE
- B.** FALSE
- C.** Compile error
- D.** None

**Ans: A. TRUE**

**Q21.** Find the output of the following

code.  
Public class Solution{

    Public static void main(String

        args[]){Int x = 5;

        x \* = (3 + 7);

        System.out.println(x);

- A.** 50
- B.** 22
- C.** 10
- D.** None

**Ans: D. None**

**Q22.** Identify the return type of a method that does not return any value.

- A.** int
- B.** void
- C.** double
- D.** None

**Ans: B. void**

**Q23.**Output of Math.floor(3.6)?

- A. 3
- B. 3.0
- C. 4
- D. 4.0

**Ans: A. 3**

**Q24.** Identify the modifier which cannot be used for constructor.

- A. public
- B. protected
- C. private
- D. static

**Ans: D. static**

**Q25.** What are the variables declared in a class for the use of all methods of the class called?

- A. Object
- B. Instance variables
- C. Reference variable
- D. None

**Ans: B. Instance variables**

**Q26.** Find the output of the following code.

```
Public class Solution{  
Public static void main(String args[]){  
Int i;  
for(i = 1; i < 6; i++){  
if(i > 3) continue;  
}  
System.out.println(i);  
}  
}
```

- A. 3
- B. 4
- C. 5
- D. 6

**Ans: D. 6**

**Q27.** Identify the infinite loop.

- A. for(;;)
- B. for(int i = 0; i < 1; i--)
- C. for(int i = 0; ;i++)
- D. All of the above

**Ans: D. All of the above**

**Q28.** Exception created by try block is caught in which block

- A. catch
- B. throw
- C. final
- D. none

**Ans: A. catch**

**Q29.** Which of the following exception is thrown when divided by zero statement is executed?

- A. NullPointerException
- B. NumberFormatException
- C. ArithmeticException
- D. None

**Ans: C. ArithmeticException**

**Q30.** Where is System class defined?

- A. java.lang.package
- B. java.util.package
- C. java.io.package
- D. None

**Ans: A. java.lang.package**