

FULL STACK DEVELOPMENT – WORKSHEET 1

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

ANSWER:-

(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

ANSWER:-

(B) Int to long

Q3. Find the output of the following code.

```
int Integer = 24;
```

```
char String = 'I';
```

```
System.out.print(Integer);
```

```
System.out.print(String);
```

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

ANSWER:- (D) 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

ANSWER:- _____ **(A) 50**

Q5. Find the output of the following program.

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

- ☐ A. -127
- ☒ B. 127
- ☒ C. 129
- ☒ D. 2

ANSWER:- _____ **(A) -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[]~~

ANSWER:-_____ (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

ANSWER:-_____ (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

ANSWER:-_____ (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

ANSWER:-_____ (A) 0

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

ANSWER:-_____ (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~~

ANSWER:-_____ (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~~

ANSWER:-_____ (B) 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~~

ANSWER:- _____ (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~~

ANSWER:- _____ (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~~

ANSWER:- _____ (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

ANSWER:-_____ **(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

ANSWER:-_____ **(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~~

ANSWER:- _____ (A) 2

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~~

ANSWER:- _____ (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~~

ANSWER:- _____ (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

ANSWER:- _____ (A) 50

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

- ☒ A. int
- ☐ B. void
- ☒ C. double
- ☒ D. None

ANSWER:- _____ (B) void

Q23. Output of Math.floor(3.6)?

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

ANSWER:- _____ (A) 3

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

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

ANSWER:- _____ (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~~

ANSWER:- _____ **(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~~

ANSWER:- _____ **(C) 5**

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

ANSWER:- _____ **(D) All of the above**

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

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

ANSWER:-_____ (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

ANSWER:-_____ (C) ArithmeticException

Q30.Where is System class defined?

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

ANSWER:-_____ (A) java.lang.package