Ng Haridhwaj Singh

FULL STACK DEVELOPMENT – WORKSHEET 1

Batch - FSG0123

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

1. 32 and 64
2. 32 and 32
3. 64 and 64
4. 64 and 32

**Ans: A. 32 and 64**

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

1. Byte to int
2. Int to long
3. Long to int
4. 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(Integer); System.out.print(String);

1. Compile error
2. Throws exception
3. I
4. 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);

}

}

1. 50
2. 10
3. Compile error
4. 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.

1. char[] ch = new char(5)
2. char[] ch = new char[5]
3. char[] ch = new char()
4. 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?

1. The reference of the array
2. A copy of the array
3. Length of the array
4. 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];

}

1. 0
2. 1
3. 2
4. 3

Ans: B. 1

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

1. At run time
2. At compile time
3. Depends on the code
4. None

**Ans: A. At run time**

Q11. Identify the corrected definition of a package.

1. A package is a collection of editing tools
2. A package is a collection of classes
3. A package is a collection of classes and interfaces
4. 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.

1. final
2. static
3. volatile
4. 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;

}

1. Any class
2. Only Solution class
3. Any class that extends Solution
4. None

**Ans: B. Only Solution class**

Q14. In which of the following is the to String() method defined?

1. java.lang.Object
2. java.lang.String
3. java.lang.util
4. None

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

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

1. abc
2. bc
3. bcd
4. cd

**Ans: B. bc**

Q16. Identify the output of the following program.

String str = “Hellow”; System.out.println(str.indexOf(‘t));

1. 0
2. 1
3. true
4. -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));

}

}

1. one
2. two
3. onetwo
4. 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”;

1. 2
2. 3
3. 4
4. 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);

1. 50
2. 22
3. 10
4. None

**Ans: D. None**

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

1. int
2. void
3. double
4. 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.

1. public
2. protected
3. private
4. static

**Ans: D. static**

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

1. Object
2. Instance variables
3. Reference variable
4. 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.

1. for(; ;)
2. for(int i = 0; i < 1; i--)
3. for(int i = 0; ;i++)
4. All of the above

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

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

1. catch
2. throw
3. final
4. none

**Ans: A. catch**

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

1. NullPointerException
2. NumberFormatException
3. ArithmeticException
4. None

**Ans: C. ArithmeticException**

Q30. Where is System class defined?

1. java.lang.package
2. java.util.package
3. java.io.package
4. None

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