

FULL STACK DEVELOPMENT: WORKSHEET - 1

# All questions are multiple choice.

# 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.** 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

**Ans.** 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

**Ans.** C. Compile error

# 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

**Ans.** B. 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

**Ans.** 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.** 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

**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.** B. 22

# 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);

# }

# }

1. 3

B. 4

C. 5

D. 6

**Ans.** B. 4

# 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