

### Java Mcq's

1. Who invented Java Programming?

- a) Guido van Rossum
- b) James Gosling**
- c) Dennis Ritchie
- d) Bjarne Stroustrup

2. Which statement is true about Java?

- a) Java is a sequence-dependent programming language
- b) Java is a code dependent programming language
- c) Java is a platform-dependent programming language
- d) Java is a platform-independent programming language**

3. Which component is used to compile, debug and execute the java programs?

- a) JRE
- b) JIT
- c) JDK**
- d) JVM

4. Which one of the following is not a Java feature?

- a) Object-oriented
- b) Use of pointers**
- c) Portable
- d) Dynamic and Extensible

5. Which of these cannot be used for a variable name in Java?

- a) identifier & keyword
- b) identifier
- c) keyword**
- d) none of the mentioned

6. What is the extension of java code files?

- a) .js
- b) .txt
- c) .class
- d) .java**

7. What will be the output of the following Java code?

```
1.     class increment {
2.         public static void main(String args[])
3.         {
4.             int g = 3;
5.             System.out.print(++g * 8);
6.         }
7.     }
```

- a) 32**
- b) 33
- c) 24
- d) 25

8. Which environment variable is used to set the java path?

- a) MAVEN\_Path
- b) JavaPATH
- c) JAVA
- d) JAVA\_HOME**

9. What will be the output of the following Java program?

```
1. class output {
2.     public static void main(String args[])
3.     {
4.         double a, b, c;
5.         a = 3.0/0;
6.         b = 0/4.0;
7.         c=0/0.0;
8.
9.         System.out.println(a);
10.        System.out.println(b);
11.        System.out.println(c);
12.    }
13.}
```

- a) NaN
- b) Infinity
- c) 0.0
- d) all of the mentioned

10. Which of the following is not an OOPS concept in Java?

- a) Polymorphism
- b) Inheritance
- c) Compilation
- d) Encapsulation

11. What is not the use of "this" keyword in Java?

- a) Referring to the instance variable when a local variable has the same name
- b) Passing itself to the method of the same class
- c) Passing itself to another method
- d) Calling another constructor in constructor chaining

12. What will be the output of the following Java program?

```
1. class variable_scope
2. {
3.     public static void main(String args[])
4.     {
5.         int x;
6.         x = 5;
7.         {
8.             int y = 6;
9.             System.out.print(x + " " + y);
10.            }
11.            System.out.println(x + " " + y);
12.        }
13.    }
```

- a) Compilation error
- b) Runtime error
- c) 5 6 5 6
- d) 5 6 5

13. What will be the error in the following Java code?

```
byte b = 50;
b = b * 50;
```

- a) b cannot contain value 50
- b) b cannot contain value 100, limited by its range
- c) No error in this code
- d) \* operator has converted b \* 50 into int, which can not be converted to byte without casting**

14. Which of the following is a type of polymorphism in Java Programming?

- a) Multiple polymorphism
- b) Compile time polymorphism**
- c) Multilevel polymorphism
- d) Execution time polymorphism

15. What will be the output of the following Java program?

```
1.  class leftshift_operator
2.  {
3.      public static void main(String args[])
4.      {
5.          byte x = 64;
6.          int i;
7.          byte y;
8.          i = x << 2;
9.          y = (byte) (x << 2)
10.         System.out.print(i + " " + y);
11.     }
12. }
```

- a) 0 256
- b) 0 64
- c) 256 0**
- d) 64 0

16. What will be the output of the following Java code?

```
1.  class box
2.  {
3.      int width;
4.      int height;
5.      int length;
6.  }
7.  class main
8.  {
9.      public static void main(String args[])
10.     {
11.         box obj = new box();
12.         obj.width = 10;
13.         obj.height = 2;
14.         obj.length = 10;
15.         int y = obj.width * obj.height * obj.length;
16.         System.out.print(y);
17.     }
18. }
```

- a) 100
- b) 400
- c) 200**
- d) 12

17. What is Truncation in Java?

- a) Floating-point value assigned to a Floating type
- b) Floating-point value assigned to an integer type**
- c) Integer value assigned to floating type
- d) Integer value assigned to integer type

18. What will be the output of the following Java program?

```
1. class Output
2. {
3.     public static void main(String args[])
4.     {
5.         int arr[] = {1, 2, 3, 4, 5};
6.         for (int i = 0; i < arr.length - 2; ++i)
7.             System.out.println(arr[i] + " ");
8.     }
9. }
```

- a) 1 2 3 4 5
- b) 1 2 3 4
- c) 1 2
- d) 1 2 3**

19. What will be the output of the following Java code snippet?

```
1. class abc
2. {
3.     public static void main(String args[])
4.     {
5.         if(args.length>0)
6.             System.out.println(args.length);
7.     }
8. }
```

- a) The snippet compiles and runs but does not print anything**
- b) The snippet compiles, runs and prints 0
- c) The snippet compiles, runs and prints 1
- d) The snippet does not compile

20. What is the extension of compiled java classes?

- a) .txt
- b) .js
- c) .class**
- d) .java

21. Which exception is thrown when java is out of memory?

- a) MemoryError
- b) OutOfMemoryError**
- c) MemoryOutOfBoundsException
- d) MemoryFullException

22. What will be the output of the following Java code?

```
1. class String_demo
2. {
3.     public static void main(String args[])
4.     {
5.         char chars[] = {'a', 'b', 'c'};
6.         String s = new String(chars);
7.         System.out.println(s);
8.     }
}
```

```
9. }
```

- a) abc
- b) a
- c) b
- d) c

23. Which of these are selection statements in Java?

- a) break
- b) continue
- c) for()
- d) if()

24. What will be the output of the following Java program?

```
1. class recursion
2. {
3.     int func (int n)
4.     {
5.         int result;
6.         if (n == 1)
7.             return 1;
8.         result = func (n - 1);
9.         return result;
10.    }
11. }
12. class Output
13. {
14.     public static void main(String args[])
15.     {
16.         recursion obj = new recursion();
17.         System.out.print(obj.func(5));
18.     }
19. }
```

- a) 1
- b) 120
- c) 0
- d) None of the mentioned

25. What will be the output of the following Java code?

```
1. class output
2. {
3.     public static void main(String args[])
4.     {
5.         String c = "Hello i love java";
6.         boolean var;
7.         var = c.startsWith("hello");
8.         System.out.println(var);
9.     }
10. }
```

- a) 0
- b) true
- c) 1
- d) false

26. Which of these keywords is used to define interfaces in Java?

- a) intf
- b) Intf
- c) **interface**
- d) Interface

27. What will be the output of the following Java program?

```
1.  class output
2.  {
3.      public static void main(String args[])
4.      {
5.          StringBuffer s1 = new StringBuffer("Quiz");
6.          StringBuffer s2 = s1.reverse();
7.          System.out.println(s2);
8.      }
9.  }
```

- a) QuizziuQ
- b) ziuQQuiz
- c) Quiz
- d) ziuQ**

28. What will be the output of the following Java code?

```
1.  class Output
2.  {
3.      public static void main(String args[])
4.      {
5.          Integer i = new Integer(257);
6.          byte x = i.byteValue();
7.          System.out.print(x);
8.      }
9.  }
```

- a) 257
- b) 256
- c) 1**
- d) 0

29. What will be the output of the following Java program?

```
1.  class Output
2.  {
3.      public static void main(String args[])
4.      {
5.          double x = 2.0;
6.          double y = 3.0;
7.          double z = Math.pow( x, y );
8.          System.out.print(z);
9.      }
10. }
```

- a) 9.0
- b) 8.0**
- c) 4.0
- d) 2.0

30. Which of the following is a superclass of every class in Java?

- a) ArrayList
- b) Abstract class
- c) Object class
- d) String

31. What will be the output of the following Java code?

```
1.  class Output
2.  {
3.      public static void main(String args[])
4.      {
5.          double x = 3.14;
6.          int y = (int) Math.ceil(x);
7.          System.out.print(y);
8.      }
9.  }
```

- a) 3
- b) 0
- c) 4
- d) 3.0

32. What will be the output of the following Java program?

```
1. import java.net.*;
2. class networking
3. {
4.     public static void main(String[] args) throws Exception
5.     {
6.         URL obj = new URL("https://www.sanfoundry.com/javamcq");
7.         URLConnection obj1 = obj.openConnection();
8.         int len = obj1.getContentLength();
9.         System.out.print(len);
10.    }
11. }
```

Note: Host URL is having length of content 127.

- a) 127
- b) 126
- c) Runtime Error
- d) Compilation Error

33. Which of the below is not a Java Profiler?

- a) JProfiler
- b) Eclipse Profiler
- c) JVM
- d) JConsole

34. What will be the output of the following Java program?

```
1. import java.net.*;
2. class networking
3. {
4.     public static void main(String[] args) throws
MalformedURLException
5.     {
6.         URL obj = new URL("https://www.sanfoundry.com/javamcq");
```

```
7.           System.out.print(obj.toExternalForm());
8.       }
9.   }
```

- a) www.sanfoundry.com
- b) <https://www.sanfoundry.com/javamcq>
- c) sanfoundry
- d) sanfoundry.com

35. What will be the output of the following Java code snippet?

```
1. import java.util.*;
2. class Arraylists
3. {
4.     public static void main(String args[])
5.     {
6.         ArrayLists obj = new ArrayLists();
7.         obj.add("A");
8.         obj.add("B");
9.         obj.add("C");
10.        obj.add(1, "D");
11.        System.out.println(obj);
12.    }
13.}
```

- a) [A, D, C]
- b) [A, B, C]
- c) [A, B, C, D]
- d) [A, D, B, C]

36. Which of these packages contains the exception Stack Overflow in Java?

- a) java.io
- b) java.system
- c) **java.lang**
- d) java.util

37. What will be the output of the following Java program?

```
1. import java.util.*;
2. class Collection_iterators
3. {
4.     public static void main(String args[])
5.     {
6.         LinkedList list = new LinkedList();
7.         list.add(new Integer(2));
8.         list.add(new Integer(8));
9.         list.add(new Integer(5));
10.        list.add(new Integer(1));
11.        Iterator i = list.iterator();
12.        Collections.reverse(list);
13.        Collections.sort(list);
14.        while(i.hasNext())
15.            System.out.print(i.next() + " ");
16.    }
17.}
```

- a) 1 2 5 8
- b) 2 1 8 5
- c) 1 5 8 2

d) 2 8 5 1

38. Which of these statements is incorrect about Thread?

- a) start() method is used to begin execution of the thread
- b) run() method is used to begin execution of a thread before start() method in special cases**
- c) A thread can be formed by implementing Runnable interface only
- d) A thread can be formed by a class that extends Thread class

39. Which of these keywords are used for the block to be examined for exceptions?

- a) check
- b) throw
- c) catch
- d) try**

40. What will be the output of the following Java code?

```
1.      class newthread extends Thread
2.      {
3.      Thread t;
4.      newthread()
5.      {
6.          t1 = new Thread(this, "Thread_1");
7.          t2 = new Thread(this, "Thread_2");
8.          t1.start();
9.          t2.start();
10.         }
11.         public void run()
12.         {
13.             t2.setPriority(Thread.MAX_PRIORITY);
14.             System.out.print(t1.equals(t2));
15.         }
16.     }
17.     class multithreaded_programming
18.     {
19.         public static void main(String args[])
20.         {
21.             new newthread();
22.         }
23.     }
```

- a) true true
- b) false false**
- c) true
- d) false