InterviewQuestions

**Data Types**

1. What is the default value of a char data type in Java?

A.

1. Why can't you use == to compare two float or double values directly?

A. It will return false

**Arrays**

1. What happens if you try to access an index outside the bounds of an array in Java?

A. It will throw error

1. Can you resize an array in Java after it has been initialized?

A. Yes

**Collections**

1. What is the difference between ArrayList and LinkedList in Java?

A. ArrayList is a normal but LinkedList is it will connected to the previous array node or next Array node.

1. Why doesn't HashMap allow duplicate keys?

A.

**Classes and Objects**

1. Can a class in Java have multiple constructors? If yes, how?

A.

1. What is the difference between a class and an object?

A.

**OOPs Concepts**

1. What is the difference between abstraction and encapsulation?

A.

1. Can you override a static method in Java?

A. No

**BufferedWriter and BufferedReader**

1. What is the advantage of using BufferedWriter over FileWriter?

A.

1. What happens if you don't close a BufferedReader or BufferedWriter after use?

A. It will continue the reading the file or writing the file.

1. What will be the output of the following code?

String s1 = new String("Java");

String s2 = new String("Java");

System.out.println(s1 == s2);

A. True

1. What is the difference between StringBuffer and StringBuilder?

A.

1. Can you instantiate an abstract class in Java?

A. Yes

**Advanced Questions**

1. What is the diamond operator (<>) in Java, and why is it used?

A.

1. What is the purpose of the default size of HashMap?

A.

1. What is the difference between final, finally, and finalize?

A.

**File I/O**

1. How do you read line by line from a file using BufferedReader?

A. Using reader.nextLine();

1. How do you write into a file using BufferedWriter?

A. using Writer.nextLine();

InterviewCodingQuestionsFinal

**1: What will be the output of the following code?**

class Test {

    public static void main(String[] args) {

        int x = 5;

        System.out.println(x++ + ++x + x-- + --x);

    }

}

1. 22

**2: Will this code compile successfully? If not, why?**

class Test {

    public static void main(String[] args) {

        try {

            int result = 10 / 0;

        } catch (Exception e) {

            System.out.println("Exception caught");

        } finally {

            System.out.println("Finally block executed");

        }

    }

}

1. Exception Caught

Finally Block executed

**3: What will happen if an exception is thrown in the finally block?**

class Test {

    public static void main(String[] args) {

        try {

            System.out.println("Try block");

            return;

        } catch (Exception e) {

            System.out.println("Catch block");

        } finally {

            System.out.println("Finally block");

            int a = 10 / 0;  // Exception thrown here

        }

    }

}

1. Try Block

Finally Block

Error.

**4: What will be the output of the following code?**

class A {

    int x = 10;

}

class B extends A {

    int x = 20;

}

class Test {

    public static void main(String[] args) {

        A obj = new B();

        System.out.println(obj.x);

    }

}

1. 20

**5: What will be the output of the following code?**

class Test {

    public static void main(String[] args) {

        String str = "Java";

        str.concat(" Programming");

        System.out.println(str);

    }

}

A. “Java Programming”

**6.** Write a Java program to reverse a string without using inbuilt functions like StringBuilder.reverse().

**public** **class** ReverseString {

**public** **static** **void** main(String[] args) {

String test = "hello World";

String reverse = "";

**for**(**int** i=test.length()-1; i >=0; i-- ) {

reverse += test.charAt(i);

}

System.***out***.println(reverse);

}

}

**7.** Write a Java program to find the second largest number in an array.

**8.** Write a Java program to read a file and count the number of words in it.