**Q1. What are the Conditional Operators in Java?**

**ANS, ternary operator, logical or and logical and is called conditional**

**Q2. What are the types of operators based on the number of operands?**

**Ans. there are two types of mathematical operators:**

**Unary and binary based on number**

**Q3.What is the use of Switch case in Java programming?**

**Ans. switch case like if else .we switch some condition if it match by case then the block related to case will executes or default block will executes.**

**Q4.What are the conditional Statements and use of conditional statements in Java?**

**Ans. conditional statements have condition which executes according to condition.**

**Q5.What is the syntax of if else statement?**

1. **if**(condition){
2. //code if condition is true
3. }**else**{
4. //code if condition is false
5. }

**Q6.How do you compare two strings in Java?**

**Ans. using equals().**

**Q7.What is Mutable String in Java Explain with an example?**

**Ans . the string whose value can be change is known as mutable string.**

**Q8.Write a program to sort a String Alphabetically?**

**Ans** import java.util.Arrays;

import java.util.Scanner;

public class SortingString {

   public static void main(String args[]) {

      Scanner sc = new Scanner(System.in);

      System.out.println("Enter a string value: ");

      String str = sc.nextLine();

      char charArray[] = str.toCharArray();

      Arrays.sort(charArray);

      System.out.println(new String(charArray));

   }

}

**Q9.Write a program to check if the letter 'e' is present in the word**

**'Umbrella'.**

**class** Check\_Letter

{

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

{

String str = " **Umbrella** ";

**boolean** pre = **false**;

**for**(**int** i = 0;i<str.length();i++)

{

**if**(str.charAt(i) == 'e')

{

pre=**true**;

**break**;

}

}

System.out.println(pre);

}

}

**Q10.Where exactly is the string constant pool located in the**

**memory?**

**Ans heap memory.**