

Q.9>>Write a Java program to handle “divide by zero exception” with the following message- “Exception Occurred” if the quotient is -1. Otherwise prints the result in finally block.

```
/*exception handling*/
import java.util.*;
public class Exception_Customised {
    public static void main(String[] args) {
        double a,b,div=0;
        Scanner sc = new Scanner(System.in);
        System.out.print("Enter the value of a: ");
        a = sc.nextDouble();
        System.out.print("Enter the value of b: ");
        b = sc.nextDouble();
        try
        {
            div = a/b;
            if (div == -1)
            {
                throw new ArithmeticException();
            }
        }
        catch (ArithmeticException Ex)
        {
            System.out.println("Exception Occurred");
        }
        finally {
            System.out.println(div);
        }
    }
}
```

```
Command Prompt
Microsoft Windows [Version 10.0.22621.1265]
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C:\Users\HP>cd onedrive
C:\Users\HP\OneDrive>cd desktop
C:\Users\HP\OneDrive\Desktop>cd notepad prog
C:\Users\HP\OneDrive\Desktop\notepad prog>javac Exception_Customised.java
C:\Users\HP\OneDrive\Desktop\notepad prog>java Exception_Customised
Enter the value of a: -5
Enter the value of b: 5
Exception Occurred
-1.0
C:\Users\HP\OneDrive\Desktop\notepad prog>javac Exception_Customised.java
C:\Users\HP\OneDrive\Desktop\notepad prog>java Exception_Customised
Enter the value of a: 5
Enter the value of b: 0
Infinity
C:\Users\HP\OneDrive\Desktop\notepad prog>|
```