

## **Experiment8:**

### **Answer8:**

```
import java.util.Scanner;

class Divde

{
    int a,b;

    Scanner sc= new Scanner(System.in);

    void Setdata()

    {
        int a,b;

        System.out.print("Enter the value of A: ")
        a=Integer.parseInt(sc.nextLine());
        System.out.print("Enter the value of B: ")
        b=Integer.parseInt(sc.nextLine());

        this.a=a;

        this.b=b;
    }

    void Showresult()

    {
        System.out.println("The Division of A and B are:"+a/b);
    }
}

public class Test

{
    public static void main(String[], num)

    {
        Divde d= new Divde();

        try{
            d.Setdata();
```

```

    d.Showresult();
}
catch(ArithmeticException r)
{
    System.out.println("This is an Arithmetic Exception ")
}
catch(NumberFormatException r)
{
    System.out.println(" Number format Exception!..");
}
}
}
}

```

Output:

```

C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.18363.657]
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C:\Users\deepa\OneDrive\Desktop>javac ChildClass.java

C:\Users\deepa\OneDrive\Desktop>java ChildClass
Enter the value of A12
Enter the value of B:
0
This is an Arithmetic exception

C:\Users\deepa\OneDrive\Desktop>java ChildClass
Enter the value of ADeepanshu
This is a Number Format Exception

C:\Users\deepa\OneDrive\Desktop>

```