

4. Write a program in Java to demonstrate try and catch

```
package AssistedPracticeProject;

import java.util.Scanner;

public class TryCatch {
    public static void main(String[] args) {
        Scanner sc=new Scanner(System.in);
        System.out.println("Enter a number: ");
        try {
            int num=sc.nextInt();
            int result=100/num;
            System.out.println("Result: "+result);
        } catch(ArithmeticException e) {
            System.out.println("Exception: "+e.getMessage());
        } catch(Exception e) {
            System.out.println("Something went wrong.");
        } finally {
            System.out.println("Done.");
        }
        sc.close();
    }
}
```

Output:



```
<terminated> TryCatch [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (29-Nov-2023, 8:16:58 am - 8:17:03 am) [pid: 16196]
Enter a number:
28
Result: 3
Done.
```

Output:



```
<terminated> TryCatch [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (29-Nov-2023, 8:17:11 am - 8:17:14 am) [pid: 6396]
Enter a number:
0
Exception: / by zero
Done.
```