

Aim:

Write a Java Program to Implement Throw and Throws

Source Code:

ThrowThrowsExample.java

```
import java.util.*;
class ThrowThrowsExample
{
    public static void main(String args[])throws Exception
    {
        int age;
        Scanner s=new Scanner(System.in);
        System.out.print("Enter your age: ");
        age=s.nextInt();
        try
        {
            if(age<18)
            {
                throw new ArithmeticException();
            }
            else
            {
                System.out.println("Valid age: "+age);
            }
        }
        catch(ArithmeticException e)
        {
            System.out.println("Custom Exception caught: Age must be at least 18 year
s.");
        }
    }
}
```

Execution Results - All test cases have succeeded!

Test Case - 1
User Output
Enter your age: 18
Valid age: 18

Test Case - 2
User Output
Enter your age: 15
Custom Exception caught: Age must be at least 18 years.