

Aim:

Write a Java Program to Implement Throw and Throws

Source Code:

ThrowThrowsExample.java

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

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.