

# User defined Exception

```
package customExceptionProgram;
public class OwnException extends Exception
{
    // Declare default constructor.
    OwnException()
    {

    }
}
public class MyClass {
    public static void main(String[] args)
    {
        try
        {
            // Create an object of user defined exception and throw it using throw clause.
            OwnException obj = new OwnException();
            throw obj;
        }
        catch (OwnException ex)
        {
            System.out.println("Caught a user defined exception");
        }
    }
}
```

```
public class OwnException extends Exception
{
    // Declare parameterized constructor with String as a parameter.
    OwnException(String str)
    {
        super(str); // Call super exception class constructor.
    }
}
public class MyClass {
    public static void main(String[] args)
    {
        try
        {
            // Create an object of user defined exception and throw it using throw clause.
            OwnException obj = new OwnException("Creating user defined exception");
            throw obj;

            // or, throw new OwnException("Creating user defined exception");
        }
        catch (OwnException ex)
        {
            System.out.println("Caught a user defined exception");
            System.out.println(ex.getMessage());
        }
    }
}
```

```
}  
}
```

```
public class InvalidAgeException extends Exception  
{  
    // Declare a parameterized exception with string str as a parameter.  
    InvalidAgeException(String str)  
    {  
        super(str);  
    }  
}  
import java.util.Scanner;  
public class TestClass  
{  
    private static int age;  
    static void validate() throws InvalidAgeException  
    {  
        Scanner sc = new Scanner(System.in);  
        System.out.println("Enter your age");  
        age = sc.nextInt();  
  
        if(age < 18)  
            throw new InvalidAgeException("Invalid Age, You are not eligible to vote");  
        else  
            System.out.println("Welcome to vote");  
    }  
    public static void main(String[] args)  
    {  
        try  
        {  
            validate();  
        }  
        catch(Exception e)  
        {  
            System.out.println("Caught an Exception: \n "+e);  
        }  
    }  
}
```