

PROGRAMMING USING JAVA
WEEK 9 ASSIGNME

With a Sample program explain
how custom exception are created
in java

```
class InvalidAgeException extends Exception
{
    public InvalidAgeException (String str)
    {
        // calling the constructor of parent Exception
        super(str);
    }
}

// class that uses custom exception InvalidAgeException
public class TestCustomException1
{

    // method to check the age
    static void validate (int age) throws InvalidAgeException{
        if(age < 18){

            // throw an object of user defined exception
            throw new InvalidAgeException("age is not valid to vote");
        }
        else {
            System.out.println("welcome to vote"); }
    }

    // main method
    public static void main(String args[]) {
        try
        {
            // calling the method
            validate(13);
        }
        catch (InvalidAgeException ex)
        {
            System.out.println("Caught the exception");

            // printing the message from InvalidAgeException object
            System.out.println("Exception occurred: " + ex);
        }

        System.out.println("rest of the code...");
    }
}
```

}
}

Output :

```
C:\Users\Anurati\Desktop\abcDemo>javac TestCustomException1.java  
  
C:\Users\Anurati\Desktop\abcDemo>java TestCustomException1  
Caught the exception  
Exception occurred: InvalidAgeException: age is not valid to vote  
rest of the code...
```