

```
public class Throw
{
    static void avg()
    {
        try
        {
            throw new ArithmeticException("When you are new to any website");
        }
        catch(ArithmeticException e)
        {
            System.out.println("First Register Yourself");
        }
    }

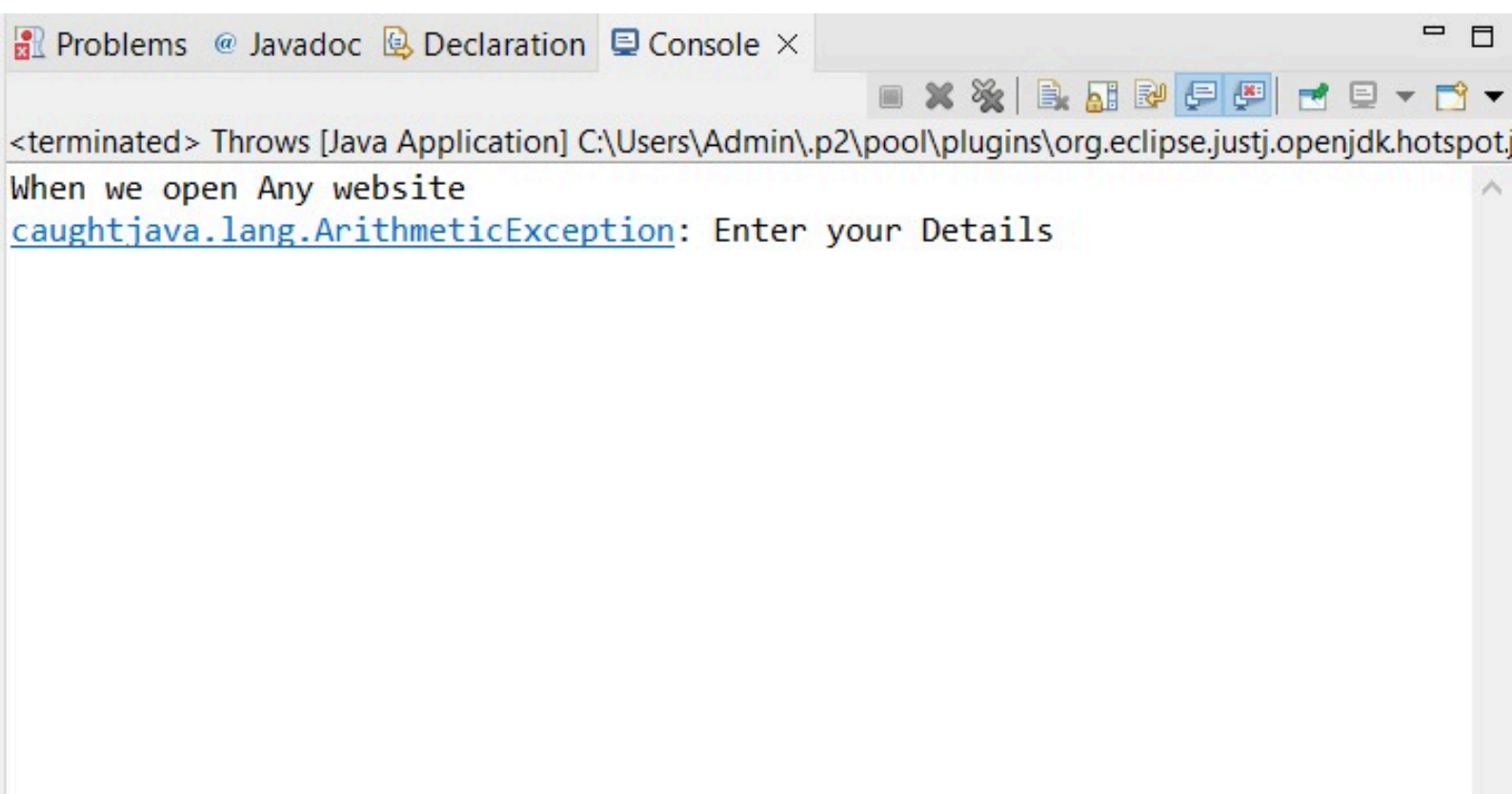
    public static void main(String args[])
    {
        avg();
    }
}
```

Problems @ Javadoc Declaration Console X

```
<terminated> Throw [Java Application] C:\Users\Admin\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot
```

First Register Yourself

```
public class Throws {  
  
    static void check() throws ArithmeticException  
    {  
        System.out.println("When we open Any website");  
        throw new ArithmeticException("Enter your Details");  
    }  
  
    public static void main(String args[])  
    {  
        try  
        {  
            check();  
        }  
        catch(ArithmeticException e)  
        {  
            System.out.println("caught" + e);  
        }  
    }  
}
```



```
public class Finally
{
    public static void main(String[] args)
    {
        int a[] = new int[2];
        try
        {
            System.out.println("Access invalid element"+ a[3]);
        }
        catch(ArrayIndexOutOfBoundsException e) {
            System.out.println("Exception caught");
        }
        finally
        {
            System.out.println("finally is always executed.");
        }
    }
}
```

Problems Javadoc Declaration Console ×

<terminated> Finally [Java Application] C:\Users\Admin\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre8.linux.x86_64.jdk\bin\java.exe
Exception caught
finally is always executed.

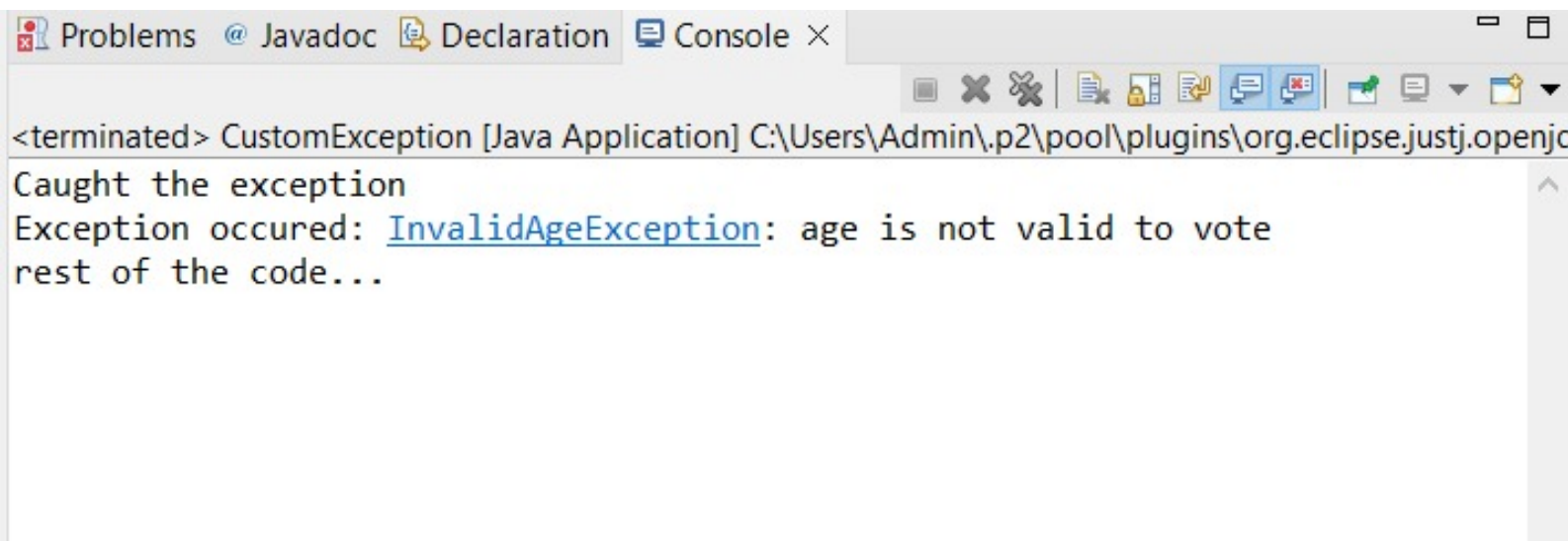
```
class InvalidAgeException extends Exception
{
    public InvalidAgeException (String str)
    {
        super(str);
    }
}

public class CustomException
{
    static void validate (int age) throws InvalidAgeException{
        if(age < 18){
            throw new InvalidAgeException("age is not valid to vote");
        }
        else {
            System.out.println("welcome to vote");
        }
    }

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

            System.out.println("Exception occurred: " + ex);
        }

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



The image shows the Eclipse IDE's Console window. The title bar includes tabs for 'Problems', 'Javadoc', 'Declaration', and 'Console'. The console output shows a terminated custom exception. The text is as follows:

```
<terminated> CustomException [Java Application] C:\Users\Admin\.p2\pool\plugins\org.eclipse.justj.openj  
Caught the exception  
Exception occurred: InvalidAgeException: age is not valid to vote  
rest of the code...
```