Problem Statement 3. Write a program to generate a user-defined exception called

NegativeAgeException if the user inputs negative value for age.

```java
//Compile the below AgeException.java program

import java.util.Scanner;

class AgeException extends Exception {

public AgeException(String str) {

        System.out.println(str);

        }

}

//Compile the below NegativeAgeExc.java program

import java.util.Scanner;

public class NegativeAgeExc{

public static void main(String[] args) {

Scanner s = new Scanner(System.in);

System.out.print("Enter ur age :: ");

int age = s.nextInt();

 try {

  if(age < 18)

    throw new AgeException("You entered a negative age which is invalid");

   else

   System.out.println("Valid age");

  }

  catch (AgeException a) {

   System.out.println(a);

  }

 }

}
```

//Run NegativeAgeExc

```
Command Prompt

C:\My Programs\Assignments\Assignment4-3>javac AgeException.java

C:\My Programs\Assignments\Assignment4-3>javac NegativeAgeExc.java

C:\My Programs\Assignments\Assignment4-3>java NegativeAgeExc
Enter ur age :: -20
You entered a negative age which is invalid
AgeException

C:\My Programs\Assignments\Assignment4-3>java NegativeAgeExc
Enter ur age :: 20
Valid age

C:\My Programs\Assignments\Assignment4-3>
```