Question

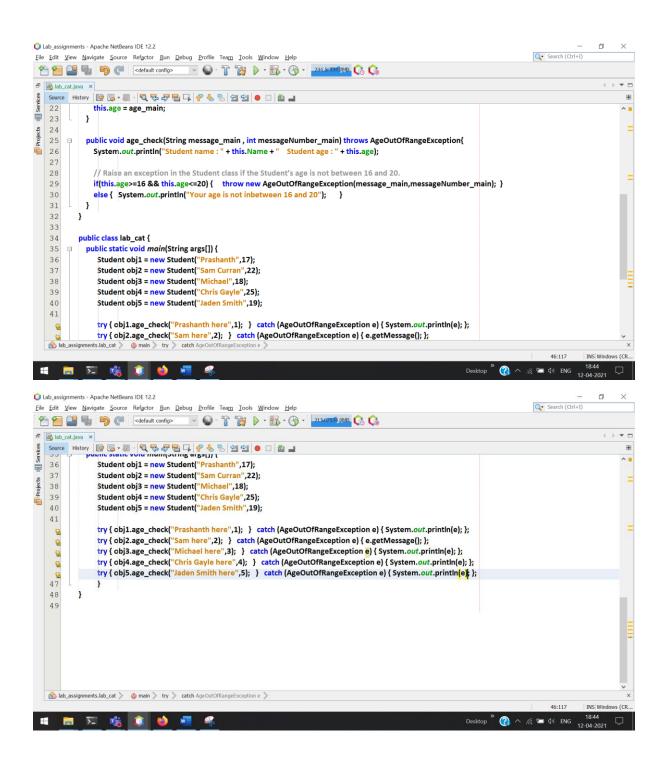
Create an Exception class called

AgeOutOfRangeException containing message (a string) and messageNumber as private data members. Include parameterized constructors to initialize the private data members. Also include a public member function called getMessage to display the Exception message and the messageNumber. Use the above exception class to raise an exception in the Student class if the Student's age is not between 16 and 20. Consider an example Student class of your own.

Write a JAVA program to test the functionality of the above classes.

Code

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          class AgeOutOfRangeException extends Exception {
           private String message;
            private int messageNumber;
       AgeOutOfRangeException(String message_main , int messageNumber_main) {
               this.message = message_main;
               this.messageNumber = messageNumber_main;
   10
   11
            @Override // Including public member function called getMessage to display the Exception message and the messageNumber
   12
          public String getMessage() { return ("The Message is : " + this.message + " and the Message number : " + this.messageNumber);}
   14
          class Student {
            private String Name;
            private int age;
   19
   20 Student(String name main, int age main) {
              this.Name = name_main;
              this.age = age_main;
                          ain >> try >> catch AgeOutOfRangeException e >>
```



Output

