**Assignment: Creating your own exception subclass.**

Consider the following class InvalidMarksException which extends the Exception class. The InvalidMarksException is thrown when an invalid marks (less than zero or greater than one hundred) has been entered as an input.

Now, create an exception subclass that can be thrown to handle these kind of problems during program execution. Find an idea by yourself to design an exception subclass and when to throw it. Your idea may be simple like the InvalidMarksException, but should be meaningful. Moreover, it should not be matched with any other students. The highest marks will come from a unique and meaningful design.

**import** java.util.Scanner;

**class** InvalidMarksException **extends** Exception{

**private** **int** marks;

InvalidMarksException(){}

InvalidMarksException(**int** i){marks = i;}

@Override

**public** String toString() {

**return** "InvalidMarksException: "+marks;

}

}

**public** **class** MyException {

**static** **void** compute(**int** value) **throws** InvalidMarksException {

**if**(value>100 || value<0) {

**throw** **new** InvalidMarksException(value);

}

**else**

System.***out***.println("Valid Marks: "+value);

}

**public** **static** **void** main(String[] args) {

**int** i,value;

Scanner inp = **new** Scanner(System.***in***);

**for**(i=0;i<5;i++) {

**try** {

value = inp.nextInt();

*compute*(value);

}**catch**(InvalidMarksException x) {

System.***out***.println("Exception Caught: "+x);

}

}

inp.close();

}

}

**Presentation: Creating your own exception subclass.**

Make a simple PowerPoint presentation (5/6 slides) to present your idea and code to solve the given assignment “Creating your own exception subclass”. At the conclusion slide you should indicate to the practical usefulness of your design. For example, the given InvalidMarksException will be useful for marks related data or result processing. You will be given around 3-5 minutes to perform your presentation.