

Progressive Education Society’s

**MODERN COLLEGE OF ENGINEERING, Pune -05.**

(An Autonomous Institute Affiliated to Savitribai Phule Pune University)

**MCA Department**

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| **Class: FYMCA Div: A Semester: II** | **Course Code: MCA01554**  **Course Name: Java Programming Laboratory** | | **Batch: F1** |
| **Name: Abhijeet Joshi** | | **Roll No: 51023** | |
| **CO No: CO515.1** | | **Assignment No: 3** | |

**PRACTICAL SUBMISSION RECORD- A.Y. 2024-25**

**Title**: Write a program to accept roll no. Marks from users. Throw user defined exception Marks out of Bound if marks are <0 or marks>100.

# Code:

package asmt3;

import java.util.Scanner;

//User-defined exception for marks out of bounds class MOBException extends Exception

{

public MOBException(String message)

{

super(message);

}

}

public class Marks

{

private int rollNo; private int marks;

public Marks(int rollNo, int marks) throws MOBException

{

if (marks < 0 || marks > 100)

{

throw new MOBException("Marks out of bound! Marks should be between 0 and 100.");

}

this.rollNo = rollNo; this.marks = marks;

}

public void display()

{

System.***out***.println("Roll No: " + rollNo); System.***out***.println("Marks: " + marks);

}

public static void main(String[] args)

{

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

try {

System.***out***.print("Enter Roll No: "); int rollNo = scanner.nextInt();

System.***out***.print("Enter Marks: "); int marks = scanner.nextInt();

Marks student = new Marks(rollNo, marks); student.display();

}

catch (MOBException e)

{

System.***out***.println("Error: " + e.getMessage());

}

catch (Exception e)

{

System.***out***.println("Invalid input! Please enter valid data.");

}

finally

{

scanner.close();

}

}

}

# Output:



