



WEEK #8

LAB ASSIGNMENTS

1. Write a Java class which has a method called `ProcessInput()`. This method checks the number entered by the user. If the entered number is negative then throw an user defined exception called `NegativeNumberException`, otherwise it displays the double value of the entered number.
2. Write a java program to create Account with 500 rupee minimum balance, deposit amount, withdraw amount and also throws `LessBalanceException` which returns the statement that says withdraw amount is not valid.
3. Write a program to create user defined exceptions called `HrsException`, `MinException` and `SecException`. Create a class `Time` which contains data members hours, minutes, seconds and throw the user defined exceptions if hours (>24 & <0), minutes (>60 & <0), seconds (>60 & <0).
4. Create an user defined exception named `Check Argument` to check the number of arguments passed through command line. If the number of arguments is less than four, throw the `Check Argument` exception, else print the addition of squares of all the four elements.
5. Write a java program to implement a stack class having methods `push ()` and `pop()`. These methods must be

designed to throw user defined exception when the stack is empty or full.

6. Write a java program to justify “A subclass exception must appear before super-class exception”.
7. Write a Java program to generate an `ArrayIndexOutOfBoundsException` and handle it using catch statement.
8. Write a Java program to illustrate try, catch, and finally block.