**Assignment -7**

**Topic: Exception Handling**

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| 1 | Define a class SIT with properties int x ant int y. Provide the values at run time. Calculate the division. Assume that there is a possibility of exception , handle that exception by using a try-catch block. |
| 2 | Write a java program to handle an exception, print the exception message and print a customized message. |
| 3 | Define a class SILICON. Declare an array of size seven and provide values at run time. Trying to print the 10th element of the array and print the exception message. |
| 4 | Write a java program to handle an exception by using multi catch block and print the exception message. |
| 5 | Write a java program to demonstrate a nested try-catch block for handling exception. |
| 6 | Write a java program to print an exception message by using printStackTrace( ), toString( ), and getMessgae( ) method. |
| 7 | Write a java program to handle a custom exception by using throw keyword. |
| 8 | Write a java program to illustrate an user defined exception. |
| 9 | Define a class ArmyJobAgeCriteria with a property int age and a method checkAge().  Check the age of candidate if the age is greater than 28 than throw TooOldException and if age less than 18 then throw TooYoungException and if age in-between 18 to 28 then print a message congratulations you are eligible. |
| 10 | Define a class called Account with the following properties and methods:  Properties: String name, int accNumber, double accBalance  Methods: void deposit(int amt) and double withdraw(int amt)  Assume that an account needs to have a minimum balance of 500. If an attempt is made to withdraw, which results in balance going below 500, throw a user defined exception called MinimumBalanceException. Use throw and throws wherever necessary. |