Exception Handling

1. Write a program that Create a class named Contact with the following attributes : First name, Middle name, Last name, Date of birth, Gender, Anniversary, Address, Area, City, Pincode, State, Country, Telephone number, Mobile number, Email, Website. (Contact.java)

A. Write a method named validate ( ) in the Contact class created earlier. This method must generate an exception if any of the following validation rules fail:

   a. First name, last name, date of birth and email are compulsory.

   b. E-mail must be in the correct format , display correct format.

   c. At least one of either telephone or mobile number must be specified .

Note: Do not use Predefine collection classes (API) while implementing assignment

2. Write a program that Implement stack for Contact objects. Use exception handling to apply the following rules:

   i.   A pop must fail on an uninitialized stack and empty stack

   ii. A push must fail on an uninitialized stack and stack which is already full

   iii. A push must fail on a stack if the Contact object's validation fails.

3. Write a program that creates a class Movie that Reading data from movies.txt must handle invalid input.

   i. Check for number of values provided

   ii. Check for valid movie Ids. Must be Integers