Assignment:

1. (String handling)

Write a java program that helps in creating an Account for the user.

User enters his firstName, and dateof birth in dd/mm/yy format.

Username is generated with first three characters of the firstName ,Pan Card number and month number from date of birth

Password – that should be minimum of 4 characters and maximum of 8 characters.

confirmPassword—should match with the entered password.

Question for forgot password:

Answer for forgot password question.

Create a class Account which has all these properties and test it in the Client.

None of the fields should be null or empty.

Write a seperate reusable logic to handle this.

2 (StringBuffer)

Write a java program to check if an input sentence is a palindrome or not.

Eg: **able was I ere I saw elba** is a palindrome.

3 Write a program to count number of words in a line.

(use split function of Strings)

4 Write a program that reads the expiry date of a product in dd/mm/yy format and checks if the product is valid or not.

(hint: read the date of Expiry as text, parse it to Date object using SimpleDateFormat.

Check with the present date using before() or after())

5.

Create a class UtilityFunctions that has the following methods.

a public static Date getDate(String dateString)

that reads a date in dd/mm/yyyy format and returns a java.util.Date object.

b public static genRandomPassword – generates a random password and displays on the console. This password is validated and message is displayed.