## Ahsanullah University of Science and Technology Course Title: Object Oriented Programming Lab Course Number: CSE1206 Fall 2020

Online: 2 Set - A Marks: 10

Create a project named Email. Create two classes named Gmail and YahooMail. Both classes will have a void method called Login() and takes a String as parameter. A person can only Login to Gmail if his/her email id has "@" and ends with "gmail.com". It prints "Gmail ID login successful" when it is passed an ID to login. Here ID is the full email id passed to the method of Gmail as a String. If any other type of ID except the ones it supports (@gmail.com) are passed to the method then it will throw InterruptedException. When exception occurs, prints "Login Unsuccessful" A person can only Login to YahooMail if his/her email id has "@" and ends with "yahoo.com" or "ymail.com". It prints "Yahoo Mail ID login successful" when it is passed an ID to login. Here ID is the full email id passed to the method of YahooMail as a String. Ilf any other type of ID except the ones it supports (@yahoo.com / @ymail.com) are passed to the method then it will throw **UnsupportedOperationException**. When exception occurs, prints "Login Unsuccessful" Demonstrate the functionalities in the main function. In the main, develop objects of both Gmail, YahooMail and call the method Login() from both objects using an email id for each of the object. You must handle the exceptions where it is needed.

UnsupportedOperationException is an unchecked exception.

xyz@hotmail.com, xyz@ymail.com

InterruptedException is a checked exception, so it must be handled wherever it is declared. You will also need to import it.

You can pass these Strings: xyz@gmail.com, xyzgmail.com, xyz@yahoo.com,

You can use the String method called endsWith(), beginWith() or contains() to check the Strings

## For example:

```
String str = "java lab online";

if (str.startsWith("jav")) {
    System.out.println("ja");
}

if (str.endsWith("online")) {
    System.out.println("online");
}

if (str.contains("lab")) {
    System.out.println("lab");
}
```

## Sample:

https://paste.ubuntu.com/p/HrBtqWG4Kb/ https://www.w3schools.com/jsref/jsref\_endswith.asp