**PROJECT**

// This is just a Prototyped Application

**package** hello;

**import** java.util.ArrayList;

**import** java.util.Scanner;

**import** java.util.regex.Matcher;

**import** java.util.regex.Pattern;

**public** **class** Project {

**public** **static** **void** main(String[] args) {

System.***out***.println(" WELCOME \n");

System.***out***.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n");

System.***out***.println("Company : Lockers Pvt. Ltd. \n");

System.***out***.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n");

System.***out***.println("Welcome to the website LockedMe.com \n");

System.***out***.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n");

System.***out***.println("DETAILS ABOUT THE DEVELOPER \n");

System.***out***.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n");

System.***out***.println("My name is Prathijna Udupa. Working as a software developer.\nI am happy to present the website that i have created \n");

System.***out***.println("Please feel free to contact at my id \nabc@gmail.com for any queries \n");

System.***out***.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n");

ArrayList<String> emailID = **new** ArrayList<String>();

emailID.add("e1@gmail.com");

emailID.add("e2@gmail.com");

emailID.add("e3@gmail.com");

emailID.add("e4@gmail.com");

emailID.add("e5@gmail.com");

String EmailFind;

System.***out***.println("Please LOGIN with your correct credentials \n");

System.***out***.println("Login helps us to identify that you works for us \n");

System.***out***.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n");

System.***out***.println("enter your USERNAME");

Scanner scanner1 = **new** Scanner(System.***in***);

String username= scanner1.nextLine();

System.***out***.println("enter your company E-MAIL: ");

Scanner scanner = **new** Scanner(System.***in***);

EmailFind = scanner.nextLine();

String regex = "^(.+)@(.+)$";

Matcher matcher = Pattern.*compile*(regex).matcher(EmailFind);

**if** (matcher.matches() && emailID.stream().anyMatch(mail -> mail.equals(EmailFind))) {

System.***out***.println("\nSuccessfully loged into the system");

System.***out***.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n");

*optionsSelection*();

} **else** {

System.***out***.println("\nNot a valid email id");

System.***out***.println(username + " , you are not a part of the company, \n So you don't have the access or try with the proper id \n");

System.***out***.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n");

}

}

**private** **static** **void** optionsSelection() {

String[] arr = {"1. Retrieve or view the files",

"2. Add a file a File",

"3. Delete a File",

"4. Search a file",

"5. Close the application"

};

**int**[] arr1 = {1,2,3,4,5};

**int** slen = arr1.length;

System.***out***.println("Our Company Employees are provided with \nfollowing operations, use it according to your need\n");

System.***out***.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n");

**for**(**int** i=0; i<slen;i++){

System.***out***.println(arr[i]);

}

ArrayList<String> arrlist = **new** ArrayList<String>();

ArrayList<String> files = **new** ArrayList<String>();

files.add("project1.txt");

files.add("project2.txt");

files.add("attendance.txt");

files.add("salary.txt");

files.addAll(arrlist);

System.***out***.println("\nEnter your choice:\t");

Scanner sc = **new** Scanner(System.***in***);

**int** options = sc.nextInt();

**for**(**int** j=1;j<=slen;j++){

**if**(options==j){

**switch** (options){

**case** 1:

System.***out***.println("Available files are: \n");

System.***out***.println(files+"\n");

System.***out***.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n");

*optionsSelection*();

**break**;

**case** 2:

System.***out***.println("Enter the file to be added: \n");

String value = sc.next();

files.add(value);

System.***out***.println("Your file is updated\n");

files.addAll(arrlist);

System.***out***.println(files+"\n");

System.***out***.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n");

*optionsSelection*();

**break**;

**case** 3:

System.***out***.println("To delete the files...\n");

System.***out***.println("Enter the file name\n");

System.***out***.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n");

String value1 = sc.next();

**if**(files.contains(value1)) {

files.remove(value1);

System.***out***.println(value1+ " = file is deleted !\n");

System.***out***.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n");

System.***out***.println("Your file is updated\n");

files.addAll(arrlist);

System.***out***.println(files+"\n");

System.***out***.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n");

} **else** {

System.***out***.println("Oops... try again!");

System.***out***.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n");

}

*optionsSelection*();

**break**;

**case** 4:

System.***out***.println("To search the files...\n");

System.***out***.println("Enter the file name\n");

System.***out***.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n");

String value2 = sc.next();

**if**(files.contains(value2)) {

System.***out***.println(value2 + " = file is present !\n");

System.***out***.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n");

} **else** {

System.***out***.println("Oops... file not found!");

System.***out***.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n");

}

*optionsSelection*();

**break**;

**case** 5:

*closeApp*();

**break**;

**default**:

System.***out***.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n");

System.***out***.println("You have made an invalid choice!");

System.***out***.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n");

**break**;

}

}

}

}

**private** **static** **void** closeApp() {

System.***out***.println("Closing your application... \nThank you!");

System.***out***.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n");

}

}