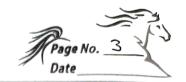


Assignment -1

Page No
flesignment-1 Date
Name - Archit Snivaslava Course - BTech CSE Gyber Serwity
ROUND - 2401410009
import java util Sconner;
class Banking Application {
Static class Account {
int accountNumber;
String auountHolderName;
double balance;
String email;
String phoneNumber;
Account (int account, String name, double bal, String mail, String phone)
{
allountNumber = all Num; allountHolderName = name;
balance = bal; email = mail; Phone Number = phone;
}
boolean deposit (double amount) {
if (amount <=0) {
Systemout printled "Amount must be pasitive");
sietuun Jalse;
3
balance += amount;
System out println ("Deposit Successful! New balance" + balance);
return toue'
DELTA Notebook ?



	Page No. 2 Date
	boolean withdraw (double amount) {
	9 (amount 6=0) }
	System out printly (Amount must be positive)
	geturn Jalse;
	if (amount > balance) {
	System.out.pointln ("Prsyfficient badance");
	vetun Jalse;
	?
	balance -= amount;
	System out println ("withdraw successful! Remaining
	balance!" + balance);
	vieturin toue;
	}
V	void displayAccount Details () {
1	System.out.point(n ("Account Details");
	System.out. println ("Account Number" + account Number)
	System.out.println(" Name: " + account Holder Name);
	Systemout. println ("Bollance: "+ balance);
	System.ow. println ("Email" + email);
	System.out. println ("Phone:" + phone Number);
7	
J	
k(a)	updateContact Details (String newernail, String newPhone) {
	I (newernail. contains ("a") { newernal. contains (": ") temal= newerns
1	
	(new Phone matches "Ild & 10, 3)) phone Number = new Phone;
	System.oud. println ("Contact Neterils updated");
3	
J	
Dreve	
DELTA Notebook	



```
Static Account[] accounts = new Account [100];
 Static int account count = 0;
 Static Scanner scanner = new scanner (System.in);
Static int next Around Numer = 1001;
Static void executacions () {
     ( (account (ount >= 100) {
       System.out. println ("Morium amount greached");
  Systemous println ("Enter account holder name");
  String name = Scanner. hertline(). trim();
(name. is Empty()) {
      System out println (Name cannot be empty");
  System out printly ("Enter involved deposit amount:");
  double deposit = get Valid Amount 1);
  if (deposit <0)
      return;
 System and printly ("Enter phone number:");
 String phone = scanner nextine() trim();
 if (!phone. matches ("Ild [10, ])) {
    System out pointln ("Invalid phone number");
     eletuun;
```



	Page No. 4 Date
	"accounts [account (ount ++] = new Account (next Account Number, nas
	System out print ("Account created successfully with account number: "+ nextAccount Number ++);
	}
	Static void perform Deposit() (
	Account ace = get Account();
	if (acc=null)
	return;
	Systèm.out. printer ("Enter amount to deposit");
	ace. deposit (get validamount());
•	?
	J
	Static Void performilithdrawal() {
4	
	Account are = get Account();
	if (all==null)
	eleturn;
	System.out. println (Enter amoud to withdraw");
	acc, withdraw (get valid Amount ());
	<u>}</u>
	Ste Indian Indian
8	Herric void Show Account Defeils () {
	Auount ace = getAccount();
	if (all!=null)
	ace. display Account Details ();
3	·
DELTA NO	



```
Static void update(ortact() {
          Account ace = getAccount ();
          il (au == null)
             return;
         System out printer ("Enter new email");
         String email = Scanner netalline () trim();
         System out println ("Enter new phone:");
         String phone = Scanner, nextline ()-trim();
         acc. update lowfact Setails (email, shone);
public Static void main (string[]a) {
Systemiout println ("hielcome to banking system");
     While (true) {
         System.out. println ("1. Creat a new account");
         System out println ("2. Deposit money")
          ystemout.pointly ("3. withdraw money");
        System-out, println("4. View account dedo details");
        System out printin ("S. Update contact Details");
       System.out, println ("6- Exit");
       System. and printly ("Enter your choise");
        String choice = Scenner nentline(). trim();
      Switch (choice) {
          Case "1": creat Account ();
               break;
           case "a": perform Deposit();
                break;
```



```
Case "3": peyprom Withdrawal ();
break;

Case "4": Show Haward Selails ();
break;

Lose "5": update Contact ();
break;

Case "6":

Systemout printly ("Thank you for choosing");
Scanner close();
return;

debault: system out printly ("Innvail choose: Enter 1-6");

}
```