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Course - BCA (H) (AI & DS)

Code :-

Import java.util.Scanner;

class Account {

 private int accountNumber;

 private String name, email, phone;

 private double balance;

 Account(int accNo, String name, double balance, String
 email, String phone) {

 this.accountNumber = accNo;

 this.name = name;

 this.balance = balance;

 this.email = email;

 this.phone = phone;

}

 public int getAccountNumber() {

 return accountNumber;

}

 void deposit(double amt) {

 if (amt > 0) {

 balance += amt;

 System.out.println("Deposit Successful. Balance: " + balance);

}

else {

 System.out.println("Invalid");

}

}

Void withdraw(double amt) {

 if (amt > 0 && amt <= balance) {

 balance -= amt;

 System.out.println("withdrawal.

 Successful. Balance: " + balance);

} else {

 System.out.println("Invalid");

}

Void show () {

 System.out.println("Account Number
 + " + Name + " " + balance + " " + Email
 + " " + phone + " ");

}

Void update(String email, String phone) {

 this.Email = email;

 this.phone = phone;

 System.out.println("Contact updated!");

}

}

C Public class Banking App {

 Static Scanner SC = new Scanner
 (System.in);

 Static Account[] accounts = new Account[10];

 Static int count = 0;

 Static Account find (int accNo) {

 for (int i = 0; i < count; i++)

 if (account[i].get Account Number()
 == accNo)

 return account[i];

 return null;

}

 Public static void main (String args) {

 while (true) {

 System.out.println ("1. Create 2. Deposit

 3. withdraw 4. View

 5. Update 6. Exit ");

 System.out.print ("Enter choice: ")

 int ch = SC.nextInt (); SC.nextLine ();

switch (ch){

case 1 → {

System.out.print("Name:");
String name = sc.nextLine();

System.out.print("Balance:");
double bal = sc.nextDouble();
sc.nextLine();

System.out.print("Email:");
String email = sc.nextLine();

System.out.print("Phone:");
String phone = sc.nextLine();

accounts[Count] = new Account
(1000 + count + 1, name, bal, email, phone);

System.out.println("Account created: " + accounts
[Count].getAccountNumber());

}

case 2 → {

System.out.print("AccNo:");
int no = sc.nextLine();

System.out.print("Deposit:");
double amt = sc.nextDouble();

Account a = find(no);

if (a != null) a.deposit(amt);
else System.out.println("Not your - a");

Case 3 → {

```
System.out.print("Acc No:");  
int no = SC.nextLine();  
System.out.print("withdraw:");  
double amt = SC.nextDouble();  
Account a = yind(no);  
if (a != null) a.withdraw(amt);  
else System.out.println("Not found");  
}
```

Case 4 → {

```
System.out.print("Acc No:");  
int no = SC.nextInt();  
Account a = yind(no);  
if (a != null) a.show(a);  
else System.out.println("Not found.");  
}
```

Case 5 → {

```
System.out.print("Acc. No:");  
int no = SC.nextLine(); SC.nextLine()  
System.out.print("New email:");  
String email = SC.nextLine();  
Account a = yind(no);  
if (a != null) a.update(email, phone);  
else System.out.println("Not found");  
}
```

Case 6 → {

```
System.out.println("Existing. Thank You");  
return; }  
}
```

default. → System.out.println("Invalid")

}
}