

★ Banking System

```
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 withdraw (double amt) {  
    if (amt > 0 && amt <= balance) {  
        balance -= amt;  
    }
```

```
Void Show () {  
    System.out.println(accountNumber +  
    " " + name + " " + balance + " " + email +  
    " " + Phone);  
}
```

```
Void update (String email, String Phone) {  
    this.email = email;  
    this.Phone = Phone;  
    System.out.println("Contact updated!");  
}
```

```
Public class BankingAPP {  
    Static Scanner SC = new Scanner(System.in);  
    Static Account[] accounts = new Account[100];  
    Static int count = 0;
```



```

Static Account find (int accNo) {
    for (int i = 0; i < count; i++)
        if (accounts[i].getAccountNumber() == accNo)
            return accounts[i];
    return null;
}

```

```

Public Static void main (String [] args) {
    while (true) {
        System.out.println("\n 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("Acc No:");  
int no = SC.nextInt();  
System.out.print("Deposit:");  
double amt = SC.nextDouble();  
Account a = find(no);  
if (a != null) a.deposit(amt);  
else System.out.println("Not found");  
}
```

case 3 -> {

```
System.out.print("Acc no:");  
int no = SC.nextInt();  
System.out.print("Withdraw:");  
double amt = SC.nextDouble();  
Account a = find(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 = find(no);  
if (a != null) a.show(a);  
else System.out.println("Not found");  
}
```


Case 5 → {

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

Case 6 → {

```
System.out.println("Exiting. Thank you");  
return;
```

}

```
default → System.out.println("Invalid");  
}
```

}

}

}