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Java Assignment-1

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☆. Banking App.

```
import java.util.Scanner;

Class account {

int accountNumber;
String accountHolderName;
String balance;
String email;
String phoneNumber;

// Static variable for auto increament of account number

static int nextAccountNumber = 4525;

// declaring methods (functions)

void deposit(double amount){
    if(amount > 0){
        balance = balance + amount;
        System.out.println("Deposit Successfull");
        System.out.println("New Balance: " + balance);
    }else{
        System.out.println("Invalid deposit amount");
    }

}
```

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```
void withdraw(double amount){
    if(amount > 0 && balance >= amount){
        balance = balance - amount;
        System.out.println("withdrawal successful");
        System.out.println("New Balance:" + balance);
    } else{
        System.out.println("insufficient balance in your
        account, please try again");
    }
}

void displayAccountDetails(){
    System.out.println("Account Number: " + accountNum
                                              ber);
    System.out.println("Account Holder: " + accountHolder
                                              Name);
    System.out.println("Balance: " + balance);
    System.out.println("Email:" + email);
    System.out.println("Phone:" + phoneNumber);
}

void UpdateContactDetails(String newEmail, String newNumber){
    email = newEmail;
    System.out.println("Contact details updated
    successfully");
}

}

// class account ends here
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```
public class Bankingapp {
    public static void main (String [] args) {
        Scanner sc = new Scanner(System.in);
    account [ ] accounts = new account [100];
        int count=100;

        int choice =0;
        while (choice != 6) {
            System.out.println (" Welcome to STANDARD
            CHARTERED Banking Application");

            System.out.println(" 1. Create a new account");
            System.out.println(" 2. Deposit money");
            System.out.println(" 3. Withdraw money");
            System.out.println(" 4. View account details"
            System.out.println(" 5. Update contact details");
            System.out.println(" 6. Exit");
            System.out.print (" Enter your choice:");
            choice = sc.nextInt();
            sc.nextLine();

            if (choice == 1) {
                account acc = new account();
            Account
                acc.accountNumber = account.next
                -ACCountNumber;
                account.nextAccountNumber ++;

                System.out.println ("Enter name:");
                acc.accountHolderName = sc.nextLi
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```
System.out.print("Enter initial deposit: ");
acc.balance = sc.nextDouble();
sc.nextLine();
System.out.print("Enter email");
acc.email = sc.nextLine();
System.out.print("Enter phone number:");
acc.phoneNumber = sc.nextLine();

account[count] = acc;
count++;
System.out.println("Account Created
successfully with Account Number:" + acc.accountNumber);
} else if (choice == 2){

System.out.print("Enter account number:");
int accNum = sc.nextInt();
System.out.print("Enter amount to deposit:");
double amt = sc.nextDouble();

for (int i=0; i< count; i++){
    if (accounts[i].accountNumber == accNum){
        accounts[i].deposit(amt);
    }
} else if (choice == 3){
    System.out.print("Enter account number:");
    int accNum = sc.nextInt();
    System.out.print("Enter amount to
    withdraw:");
    double amt = sc.nextDouble();
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for (int i=0; i<count; i++){
    if (accounts[i].accountNumber == accNum){
        accounts[i].withdraw(amt);
    }
}

} else if (choice == 4){
    System.out.println("Enter accountNumber: ");
    int accNum = sc.nextInt();

    for(int i=0; i<count; i++){
        if (accounts[i].accountNumber == accNum){
            accounts[i].deposit(amt);
    }
}
} else if

    for(int i=0; i<count; i++){
        if (accounts[i].accountNumber == accNum
            accounts[i].displayAccountDetails()
        }
    }
} else if (choice == 5){
    System.out.println("Enter ACCOUNT NO!!");
    int accNum = sc.nextLine();
    System.out.println("Enter new email!!");
    String newEmail = sc.nextLine();
    System.out.println("Enter newPhone no
    String newPhone = sc.nextLine();

    for(int i=0; i<count; i++){
        if (accounts[i]
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                accounts[i].updateContactDetails(newEmail, newPhone);
            }
        }
        else if (choice == 6) {
            System.out.println("Exiting");
        } else {
            System.out.println("Invalid choice. Try again");
        }
    }
    sc.close();
}
```