

```
import java.util.Scanner;
```

```
class Account {
```

```
String customerName;
```

```
int accountNumber;
```

```
String accountType;
```

```
double balance;
```

```
public Account (String customerName, int accountNumber,  
                String accountType, double balance) {
```

```
    this.customerName = customerName;
```

```
    this.accountNumber = accountNumber;
```

```
    this.accountType = accountType;
```

```
    this.balance = balance;
```

```
}
```

```
public void displayBalance () {
```

```
    System.out.println ("Account Balance: " + balance);
```

```
}
```

```
}
```

```
class SavingsAccount extends Account {
```

```
    double interestRate;
```

```
public SavingsAccount (String customerName, int  
accountNumber, String accountType, double balance, double  
interestRate) {
```

```
    super (customerName, accountNumber, accountType,  
           balance);
```

```
    this.interestRate = interestRate;
```

```
}
```

```
public void computeInterest () {
```

```
    balance += (balance * interestRate) / 100;
```

```
    System.out.println ("Interest Rate added");
```

```
}
```

```
public void withdraw (double amount) {
```

```
    if (amount < balance) {
```

```
        balance -= amount;
```

```
        System.out.println ("Withdraw Successful");
```

```
    }
```

```
    else {
```

```
        System.out.println ("Insufficient Fund");
```

```
    }
```

```
    }
```

```
    }
```

```
}
```

```
class CurrentAccount extends Account {
```

```
    double minBalance;
```

```
    double serviceCharge;
```

```
    public CurrentAccount (String customerName, int  
        accountNumber, String accountType, double balance,  
        double minBalance, double serviceCharge) {
```

```
        super (customerName, accountNumber, accountType,  
            balance);
```

```
        this.minBalance = minBalance;
```

```
        this.serviceCharge = serviceCharge;
```

```
}
```

```

public void withdraw (double amount) {
    if (balance - amount >= minBalance) {
        balance -= amount;
        System.out.println ("Withdraw Successful");
    }
    else {
        System.out.println ("Insufficient Fund");
        the balance -= serviceCharge;
    }
}
}

```

public class Bank {

public static void main (String args[]) {

Savings Account savings = new SavingsAccount
("John", 1001, "Savings", 5000, 5);

Current Account current = new CurrentAccount
("Alice", 2001, "Current", 8000, 100, 10);

savings.computeInterest();

savings.displayBalance();

savings.withdraw (2000);

savings.displayBalance();

current.displayBalance();

current.withdraw (5000);

current.displayBalance();

}

}

Sample Output :-

Inmat rate added

Account Balance : 5200.0

Withdrawal Successful

Account Balance : 3200.0

Account Balance : 8000.0

Withdrawal Successful

Account Balance : 9000.0

~~JSB~~
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