Runtime Polymorphism Basic

Based on below classes implemented the various payment approaches

Hint : Use method Override approach

Super Class Payment

```
2
3  public class Payment {
4
5      private int amount;
6
7      public void doPayment()
8      {
9          System.out.println(" Paid cash Payment of Rs. "+amount+"/= ");
10     }
11 }
12
```

Sub Class – NEFT Payment

```
3  public class NEFTPayment extends Payment{
4
5      private String payeeName;
6      private String payeeUserBank;
7      private String payeeAccountNumber;
8      private String ifscCode;
9
10     private Account account;
11     public void doPayment()
12     {
13         // check Payee details with Payee Account
14         if(account.getAccountNumber() is same as PayeeName
15                 && account.getBalance>5000
16                 && other banking contrains )
17         {
18             // initiate payment
19         }
20         else {
21             // Exception
22         }
23     }
24 }
```

Sub Class UPI Payment

```java
public class UPIPayment extends Payment{

    private String upiIdSender;
    private String upiIdReceiver;

    public void doPayment()
    {
        // upiIdSender must have sufficient amount to transfer
        // upiIDRecevier account must be an Active UPI Status

    }

}
```

NEFT and UPI has Dependency on Account class

```java
public class Account {

    private String holderName;
    private String bankName;
    private String ifscCode;
    private String upiId;
    private boolean upiStatus;
    private int balance;
}
```