

Week 16 Tutorial

1. Create a class Bank (Super class) with the following method:
 - displayInterestRate() - print the interest rate percentage

2. Create another class NICAsiaBank (Subclass of Bank) with the following method:
 - displayInterestRate() - print the interest rate percentage
 - enableNicAsiaMobileBanking() – print the message mobile banking has been enabled

3. Create another class NabilBank (Subclass of Bank) with the following method
 - displayInterestRate() - print the interest rate percentage
 - enableNabilSmsBanking() – print the message Sms baking has been enabled

4. Create another class NepalRastraBank with the following method:
 - printDetail(Bank bank)
 - Call displayInterestRate() method
 - If bank is an instance of NicAsiaBank,
 - ♣ **Downcast** bank to NicAsiaBank and then call enableNicAsiaMobileBanking()
 - If bank is an instance of NabilBank,
 - ♣ **Downcast** bank to NabilBank and then call enableNabilSmsBanking()
 - main method
 - Create object of Bank and call printInterestRate() method with bank as parameter
 - Create object of NICAsiaBank and assign it to super class (Bank) reference (**Upcasting**).
Now call printDetail () with NICAsiaBank object as parameter
 - Create object of NabilBank and assign it to super class (Bank) reference (**Upcasting**).
Now call printDetail () with NabilBank object as parameter.