# Department of Computing

**CS-213: Advanced Programming**

**Class: BSCS 7AB**

# Lab Quiz # 01

# Task

Write a program of bank management system to manage the account information using inheritance concept.

Create a class “Bank Account” with the customer\_name, account\_number etc. as member variables. Create the derived classes for two types of accounts i.e. current and saving. The derived classes will update the balance and handle the deposit and withdraw cases. Customers should be able to get updated balance after deposit and withdrawal amounts.

**Answer:**

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| Solution |
| Task Code:  /\*  \* To change this license header, choose License Headers in Project Properties.  \* To change this template file, choose Tools | Templates  \* and open the template in the editor.  \*/  package lab1;  import java.util.Scanner;  /\*\*  \*  \* @author Administrator  \*/  public class Lab1 {  /\*\*  \* @param args the command line arguments  \*/  public static void main(String[] args) {  // TODO code application logic here  System.out.println("welcome to the bank");  System.out.println("Selecet acc type");  char acc\_type = s.nextChar();  if(acc\_type=="saving"){  saving obj=new saving();  obj.setAccountInfo();}  else  curr obj=new curr();  obj.setAccountInfo();}  }    }  /\*  \* To change this license header, choose License Headers in Project Properties.  \* To change this template file, choose Tools | Templates  \* and open the template in the editor.  \*/  package lab1;  import java.util.Scanner;  /\*\*  \*  \* @author Administrator  \*/  public class bank {    int account\_no;  String cust\_name;  public void setAccountInfo(){  Scanner s=new Scanner(System.in);    System.out.println("Enter Customer Name : ");  cust\_name = s.next();  System.out.println("Enter Account Number :");  account\_no = s.nextInt();    }  public void getAccountInfo(){  System.out.println("Customer Name : "+ cust\_name);  System.out.println("Account Number : " + account\_no);  System.out.println("Account Type : " + acc\_type);  }    }  /\*  \* To change this license header, choose License Headers in Project Properties.  \* To change this template file, choose Tools | Templates  \* and open the template in the editor.  \*/  package lab1;  /\*\*  \*  \* @author Administrator  \*/  public class curr extends bank {  float curBalance;  String acc\_type;  public void getCurrBal(){  System.out.println("Your balance is "+curBalance);  }    public void withdraw(float amount){  this.curBalance-=amount;    }    public void deposit(float amount){  this.curBalance+=amount;    }  }  /\*  \* To change this license header, choose License Headers in Project Properties.  \* To change this template file, choose Tools | Templates  \* and open the template in the editor.  \*/  package lab1;  /\*\*  \*  \* @author Administrator  \*/  public class saving extends bank {  float curBalance;  int limit=200;  String acc\_type;  public void getCurrBal(){  System.out.println("Your balance is "+curBalance);  }    public void withdraw(float amount){  if(amount>limit){  System.out.println("your amount exeeds the limt");  return;  }else {  this.curBalance-=amount;}    }    public void deposit(float amount){  this.curBalance+=amount;    }    }  Task Output Screenshot: |

### Deliverables

Compile a single word document by filling in the solution part and submit this Word file on LMS.