# 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:  import java.util.Scanner;  /\*  \* 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.  \*/  class BankAccount{  char customerName;  int accountNumber;  float accountBalance;    public BankAccount(char cName,int aNumber, float aBalance){  this.customerName = cName;  this.accountNumber = aNumber;  this.accountBalance = aBalance;  }    }  class saving extends BankAccount{  int deposit;  public saving(char name,int number,float balance){  super(name,number,balance);  }  public float update(int dep){  accountBalance = accountBalance + dep;  return accountBalance;  }  }  class current extends BankAccount{      }  public class MyClass {  public static void main(String args[]) {  Scanner in = new Scanner(System.in);  System.out.println("Enter your Account Name");  String name = in.nextLine();  System.out.println("Enter your Account Number");  int number = in.nextInt();  System.out.println("Enter your Account Balance");  float balance = in.nextFloat();    System.out.println("Choose your Account Type.");  System.out.println("Enter 1 for Saving Account.");  System.out.println("Enter 2 for Current Account. \nPress any key to Exit.");  int enter = in.nextInt();  if(enter == '1'){  System.out.println("How Much Money You want to Deposit ?");  float deposit = in.nextFloat();  saving user = new saving(name,number,balance);  newBalance = user.update(deposit);  System.out.println("Your new Balance is "+newBalance);  }  else if(enter== '2'){  ;  }  else  return;  }  }  Output : |

### 0.Deliverables

Compile a single word document by filling in the solution part an

++++++++d submit this Word file on LMS.