# Department of Computing

**CS-213: Advanced Programming**

**Class: BSCS 7AB**

# Lab Quiz # 01

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# 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:  public class Main  {  public static void main(String[] args)  {  Account a = new Account();  a.setbalance(1000);  Current c = new Current();  Savings s = new Savings();  System.out.println("Current Balance: " + a.getbalance());  c.setwithDraw(300);  c.print();  System.out.println();  s.setdeposit(300);  s.print();    }  }  class Account  {  int id = 0;  double balance = 0;  Account()  {    }  public void setid(int i)  {  id = i;  }  public void setbalance(double b)  {  balance = b;  }    public int getid()  {  return id;  }  public double getbalance()  {  return balance;  }      }  class Savings extends Account  {  double deposit = 0;  Savings()  {    }  public void setdeposit(double d)  {    deposit = d;  balance += d;  }  public double getdeposit()  {  return deposit;  }  public void print()  {  String output = "Deposited : " + deposit +  "\nSavings balance after deposit: " + balance;  System.out.println(output);  }  }  class Current extends Account  {  double withDraw = 0;  Current()  {  }  public void setwithDraw(double w)  {    withDraw = w;  balance = balance - w;  }  public double getwithDraw()  {  return withDraw;  }  public void print()  {  String output = "Withdraw " + withDraw +  "\nChecking balance after withdraw:" + balance;  System.out.println(output);  }  }  Task Output Screenshot: |

### Deliverables

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