



Object Oriented Programming Lab – 02

Course Code: CSE215

Submitted By,

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Part 1:

```
package com.example.hasan;

public class BankAccount {

    private String acHolderName;
    private String acNumber;
    private String acOpeningDate;
    private String aCemail;
    private String aCphoneNumber;
    public double balance;

    public BankAccount( ) {

    }

    public BankAccount(String acHolderName, String acNumber, String
acOpeningDate, String email, String phoneNumber) {
        this.acHolderName = acHolderName;
        this.acNumber = acNumber;
        this.acOpeningDate = acOpeningDate;
        this.aCemail = email;
        this.aCphoneNumber = phoneNumber;
    }

    public String getAcHolderName() {
        return acHolderName;
    }
    public String getAcNumber() {
        return acNumber;
    }
    public String getAcOpeningDate() {
        return acOpeningDate;
    }
    public String getEmail() {
        return aCemail;
    }
    public String getPhoneNumber() {
        return aCphoneNumber;
    }

    public void setAcHolderName(String name) {
        acHolderName = name;
    }
}
```

```

    public void setAcNumber(String number) {
        acNumber = number;
    }
    public void setAcOpeningDate(String date) {
        acOpeningDate = date;
    }
    public void setEmail(String email) {
        aCemail = email;
    }
    public void setPhoneNumber(String phoneNumber) {
        aCphoneNumber = phoneNumber;
    }

    public double getBalance() {
        return balance;
    }

    public void Deposit(double amount) {
        balance += amount;
    }

    public void Withdraw(double amount) {
        balance -= amount;
    }
}

```

Part 2:

```

package com.example.hasan;

public class SavingsAccount extends BankAccount {

    private double aCinterest;

    public double getInterest() {
        return aCinterest;
    }

    public void setInterest(double interest) {
        aCinterest = interest;
    }

}

```

Part 3:

```
package com.example.hasan;

public class EntryPoint {

    public static void main(String[] args) {
        // TODO Auto-generated method stub

        SavingsAccount sv = new SavingsAccount();

        sv.Deposit(10000);
        sv.Withdraw(5000);
        sv.Deposit(2000);
        sv.Withdraw(100);

        sv.setAcHolderName("Rashidul Hasan Hridoy");
        sv.setAcNumber("DBBL8596");
        sv.setAcOpeningDate("31 January 2018");
        sv.setEmail("hridoy@mail.com");
        sv.setPhoneNumber("+8801521305101");

        System.out.println("Name : " + sv.getAcHolderName());
        System.out.println("AC Number : " + sv.getAcNumber());
        System.out.println("Opening Date : " +
sv.getAcOpeningDate());
        System.out.println("Email : " + sv.getEmail());
        System.out.println("Phone Number : " +
sv.getPhoneNumber());
        System.out.println("Current Balance : " + sv.getBalance());

    }

}
```

Output:

Problems @ Javadoc Declaration Console

<terminated> EntryPoint [Java Application] C:\Program Files\Java\jre1.8.0_162\bin\javaw.exe (Jan 31, 2018, 8:55:10 PM)

Name : Rashidul Hasan Hridoy
AC Number : DBBL8596
Opening Date : 31 January 2018
Email : hridoy@mail.com
Phone Number : +8801521305101
Current Balance : 6900.0