

Tugas 3 :

1. Menulis Dokumentasi

Class Teller

```
* @author (Ahmad Fikri)
* @version (27-2-2016)
*/
public class Teller
{
    private String setName;
    // instance variables - replace the example below with your own
    public static void main(String[] args){

    }

    public Teller(){

    }

    public class Customer{
        Customer c1 = new Customer();
        double setName; /**method*/
    }

    public void Customer(String setName) {
        this.setName = setName;
        String c1; /**variabel*/
        setName = "sanadhi"+"sutandi";
        System.out.println(setName); /**method*/
    }
}
```

Class Bank

```
* @author (Ahmad Fikri)
* @version (27-2-2016)
/**
 * Constructor for objects of class Bank
 */
public static String getAddress() { /**method*/
    return null;
}
public static double getCreditRate() { /**method*/
    return 0;
}
public static double getInvestmentRate() { /**method*/
    return 0;
}
public static String getHoursOfOperation() { /**method*/
    return null;
}
public static int getLastID() { /**method*/
    return 0;
}
public static int getMaxCustomers() { /**method*/
    return 0;
}
public static String getName() { /**method*/
    return null;
}
public static int getNextID() { /**method*/
    return 0;
}
public static String getWebsite() { /**method*/
    return null;
}
public static double getPremiumRate() { /**method*/
    return 0;
}
```

Class Customer

```
* Write a description of class Customer here.
*
* @author (Ahmad Fikri)
* @version (27-2-2016)
*/
```

```

private String getAddress(){ /**method*/
    return streetAddress+cityName+zipOrPostalCode;
}
private Account getAccount(){ /**method*/
    return accounts;
}
public void setAccount (Account acc){ /**method*/
    accounts = acc;
}
private int getCustomerId(){ /**method*/
    return custId;
}
private String getEmail(){ /**method*/
    return email;
}
private String getName(){ /**method*/
    return (lastName+" "+firstName);
}
private String getCustomerName(){ /**method*/
    return custName;
}
public int getNumOfAccounts(){ /**method*/
    this.accountNumber = accountNumber;
    balance = 50000;
    return numberOfCurrentAccounts;
}
private String getPhoneNumber(){ /**method*/
    return phoneNumber;
}
}

```

Class Account

```

*
* @author (Ahmad Fikri)
* @version (27-2-2016)
*/

```

```

    * Constructor for objects of class Account
    */
public Account()
{
}

public Account(char type, double amount){
}

private void deposit(double amount){
}

public char getAcctType(){ /**method*/
    return acctType;
}

private double getBalance(){ /**method*/
    return balance;
}

public String getId(){ /**method*/
    return id;
}

public int getAccountNumber(int accountNumber){ /**method*/
    this.accountNumber = accountNumber;
    balance = 50000;
    return acctType;
}

private void setBalance(double amount){ /**method*/
    this.balance = amount;
}

public void setID(String acctId){ /**method*/
    this.id = acctId;
}

public void setAcctType(char type){ /**method*/
    this.acctType = type;
}

```

2. single dan multi line comment

```

}

private String getAddress(){ /**method*/ //mengembalikan nilai secara berurutan
    return streetAddress+cityName+zipOrPostalCode;
}

private Account getAccount(){ /**method*/ //mengembalikan referensi objek dari kelas account
    return accounts;
}

public void setAccount (Account acc){ /**method*/
    accounts = acc;
}

private int getCustomerId(){ /**method*/
    return custId;
}

private String getEmail(){ /**method*/
    return email;
}

private String getName(){ /**method*/ // mengembalikan lname dan fname
    return (lastName+" "+firstName);
}
}

```

```

private void setAddress(String street, String city, String code){ /**method*/
    this.streetAddress = street;
    this.cityName = city;
    this.zipOrPostalCode = code;
} //set address akan menampilkan tiga informasi jalan
private void setEmail(String emailAddress){ /**method*/
    this.email = email;
}
private void setCustomerName(String lname, String fname){ /**method*/
    this.lastName = lname;
    this.firstName = fname;
    return;
} /*dibuat menjadi setName*/

```

3. @param dan @return

```

/**
 * An example of a method - replace this comment with your own
 *
 * @param    getAddress adalah parameter awalan dari setAddress
 * @return    mengembalikan semua nilai ke awal setAddress
 */

```

4. Javadoc adalah alat yang digunakan dengan JDK dan digunakan untuk menghasilkan dokumentasi kode java dalam format HTML dari source code Java diperlukan untuk dokumentasi dalam format yang telah ditetapkan.

Single-line comment membedakan dokumentasi dengan format comment, misal pada single-line kita menuliskan `/* comment*/` untuk menampilkan comment

Sedangkan pada multi-line comment formatnya menggunakan `/* documentation text*/`.

Tugas 4

a. account class

1.

```
public static void deposit(double amount){  
    //sekarang deposit dapat diakses oleh semua class  
}
```

2.

```
public static boolean deposit(int number)  
{  
    if (number > 0)  
        return true;  
    else  
        return false;  
}
```

3.

```
public static boolean deposit(int number)  
{  
    if (number > 0)  
        return true;  
    else  
        return false;  
}
```

Withdraw method

1.

```
protected static void withdraw(double amount){  
}
```

2.

```
public void withdraw(int amount)  
{  
    if (amount < balance)  
    {  
        System.out.println("Insufficient funds");  
        System.exit(0); // terminates the program  
    }  
    balance -= amount;  
}
```

3.

```
public void withdraw(int amount)
{
    if (amount < balance)
    {
        System.out.println("Insufficient funds");
        System.exit(0); // terminates the program
    }
    balance -= amount;
    if (balance < 0)
        return false;
    else
        return true;
}
```

4.

```
public int getAccountNumber(int accountNumber) { /**method*/
    this.accountNumber = accountNumber;
    balance = 50000;
    return acctType;
}

public int getAccountNumber(int accountNumber) { /**method*/
    this.accountNumber = accountNumber;
    balance = 40000;
    return acctType;
}
```

b. Bank class

1.

```
private static String starttime;
private static int numOfCurrentCustomer;
private static int nextID;
public static String website;
```

2.

```
private static String starttime;
private static int numOfCurrentCustomer;
private static int nextID;
public static String website;
```

3.

```
public static double getNumOfCurrentCustomer() {
    return numOfCurrentCustomer;
}
```

4.

```
public static int getNextID() { /**method*/
    return nextID;
}
```

c. Customer class

1.

```
public static boolean isValidEmail(String emailAddress) {  
    return emailAddress.contains(" ") == false && emailAddress.matches(".*@.*\\.([a-z]+)");  
}
```

2.