Midterm

⊙ Subject	Object Oriented Programming
⊙ Lecturer	Vipkas Al Hadid Firdaus S.T. M.T.
⊙ Type	Assignment
⊙ Semester	Semester 3
🗓 Time	@October 27, 2023

1. thing that we need to change is we need to add return value inside `hitung()` method, because that method is not a void method thus we need a return value for it

2. code

```java
public class SoalArray1 {
  public static void main(String[] args) {
    int[][] arrayInt = {{1, 1, 4}, {2, 1, 2}, {3, 2, 1}};
    int sum = 0;
    for (int i = 0; i < arrayInt.length; i++) {
      for (int j = 0; j < arrayInt[i].length; i++) {
        sum += arrayInt[i][j];
      }
    }
  System.out.println(sum);
  }
}
```

3. the method that is being taken by `ClassY` are `hitung()` where it used to count inside the `hitungY()` method, so by those code, the output will be 50, because in the `Class` class we count x by doing `hitung()` method so that the answer is 10, then we count it again inside the `hitungY()` method, so that the answer is 50

4. code

```java
public class Mahasiswa {
    String nim, nama, alamat;
```

```
    char jenisKelamin;

    public Mahasiswa(String nim, String nama, String alamat, char jenisKelamin){
        this.nim = nim;
        this.nama = nama;
        this.alamat = alamat;
        this.jenisKelamin = jenisKelamin;

    }

    public static void main(String[] args) {
        Mahasiswa m = new Mahasiswa("123", "Budi", "Bandung", 'L');
    }
}
```

5. code

```
public class Penulis {
    String nama, alamat;

    public Penulis(){

    }

    String getNama(){
        return nama;
    }

    void setNama(String nama){
        this.nama = nama;
    }

    String getAlamat(){
        return alamat;
    }

    void setAlamat(String alamat){
        this.alamat = alamat;
    }
}
```

```
public class Buku {
    String ISBN, judul;
    Penulis penulis;
    int harga;

    Buku(){
```

```java
    }

    String getISBN(){
        return ISBN;
    }

    void setISBN(String ISBN){
        this.ISBN = ISBN;
    }

    String getJudul(){
        return judul;
    }

    void setJudul(String judul){
        this.judul = judul;
    }

    Penulis getPenulis(){
        return penulis;
    }

    void setPenulis(Penulis penulis){
        this.penulis = penulis;
    }

    int getHarga(){
        return harga;
    }

    void setHarga(int harga){
        this.harga = harga;
    }
}
```