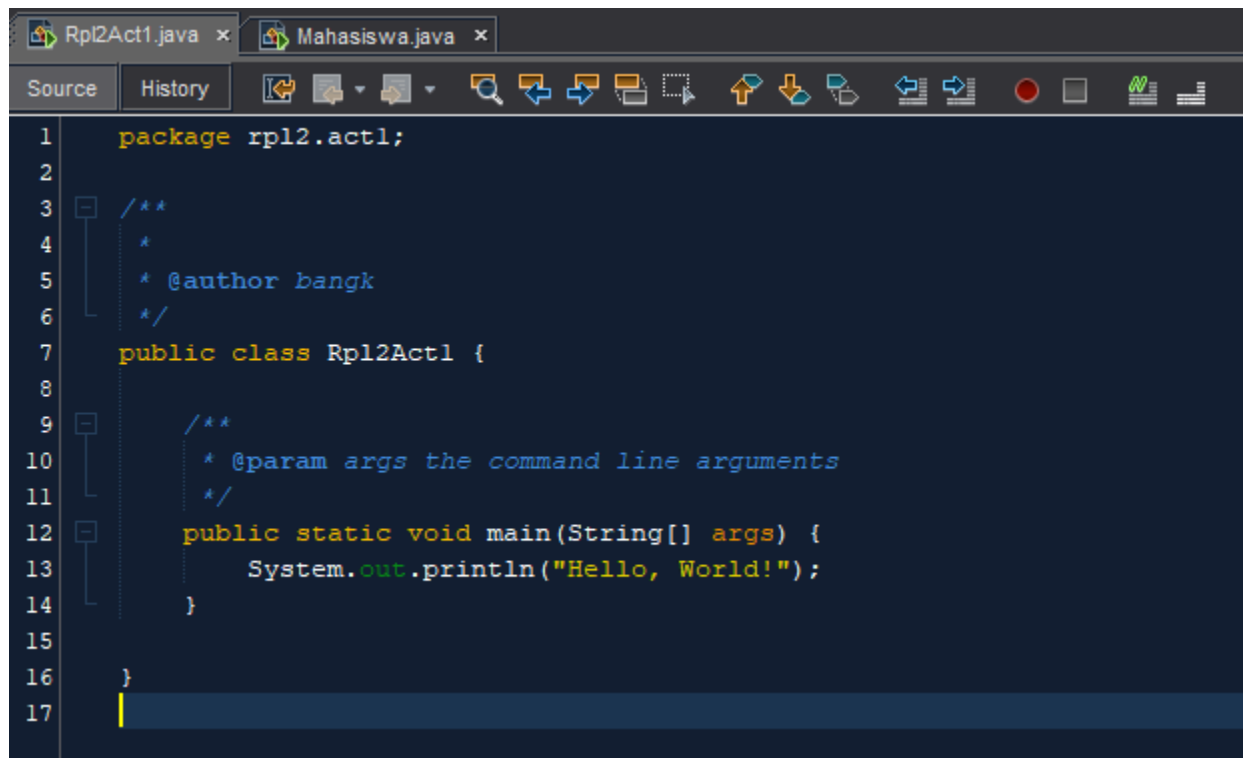


ACT PERTEMUAN 1

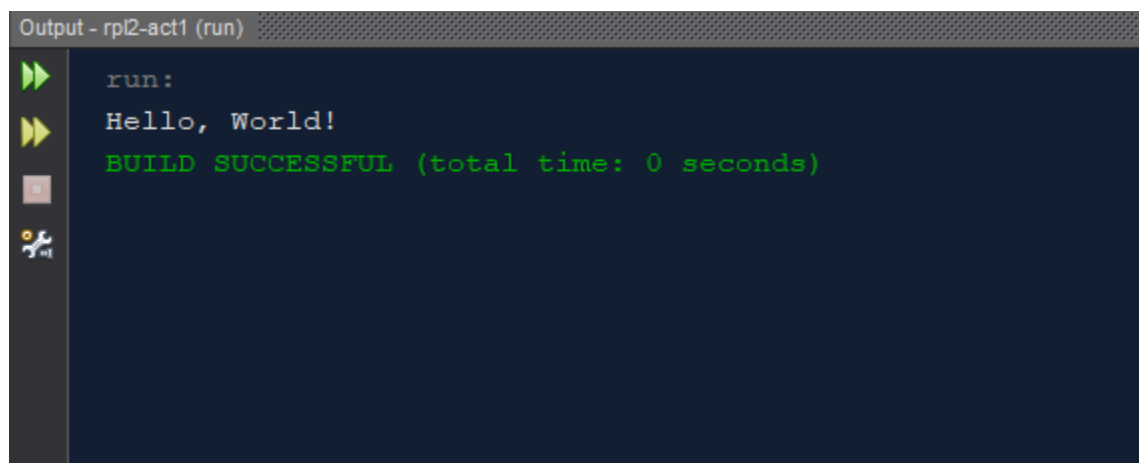
Nama : Muhamad Kukuh Fadhilah

NPM : 50421871

Kelas : 4IA28



```
1 package rpl2.act1;
2
3 /**
4  *
5  * @author bangk
6  */
7 public class Rpl2Act1 {
8
9     /**
10      * @param args the command line arguments
11      */
12     public static void main(String[] args) {
13         System.out.println("Hello, World!");
14     }
15
16 }
17
```



```
Output - rpl2-act1 (run)
run:
Hello, World!
BUILD SUCCESSFUL (total time: 0 seconds)
```

```
Rpl2Act1.java x Mahasiswa.java x
Source History
9  /**
10   *
11   * @author bangk
12   */
13  public class Mahasiswa {
14      public static void main(String[] args) {
15          String Nama;
16          int Umur;
17          String Npm;
18          String Kelas;
19
20          double Uts;
21          double Uas;
22          double Hasil;
23
24          Nama = "Muhamad Kukuh Fadhilah";
25          Umur = 21;
26          Npm = "50421871";
27          Kelas = "4IA28";
28
29          Uts = 80;
30          Uas = 90;
31          Hasil = (Uts * 0.3 ) + (Uas * 0.7);
32
33          System.out.println("Nama : " + Nama);
34          System.out.println("Umur : " + Umur);
35          System.out.println("NPM : " + Npm);
36          System.out.println("Kelas : " + Kelas);
37          System.out.println("Nilai Akhir Ujian : " + Hasil);
38      }
39  }
40
```

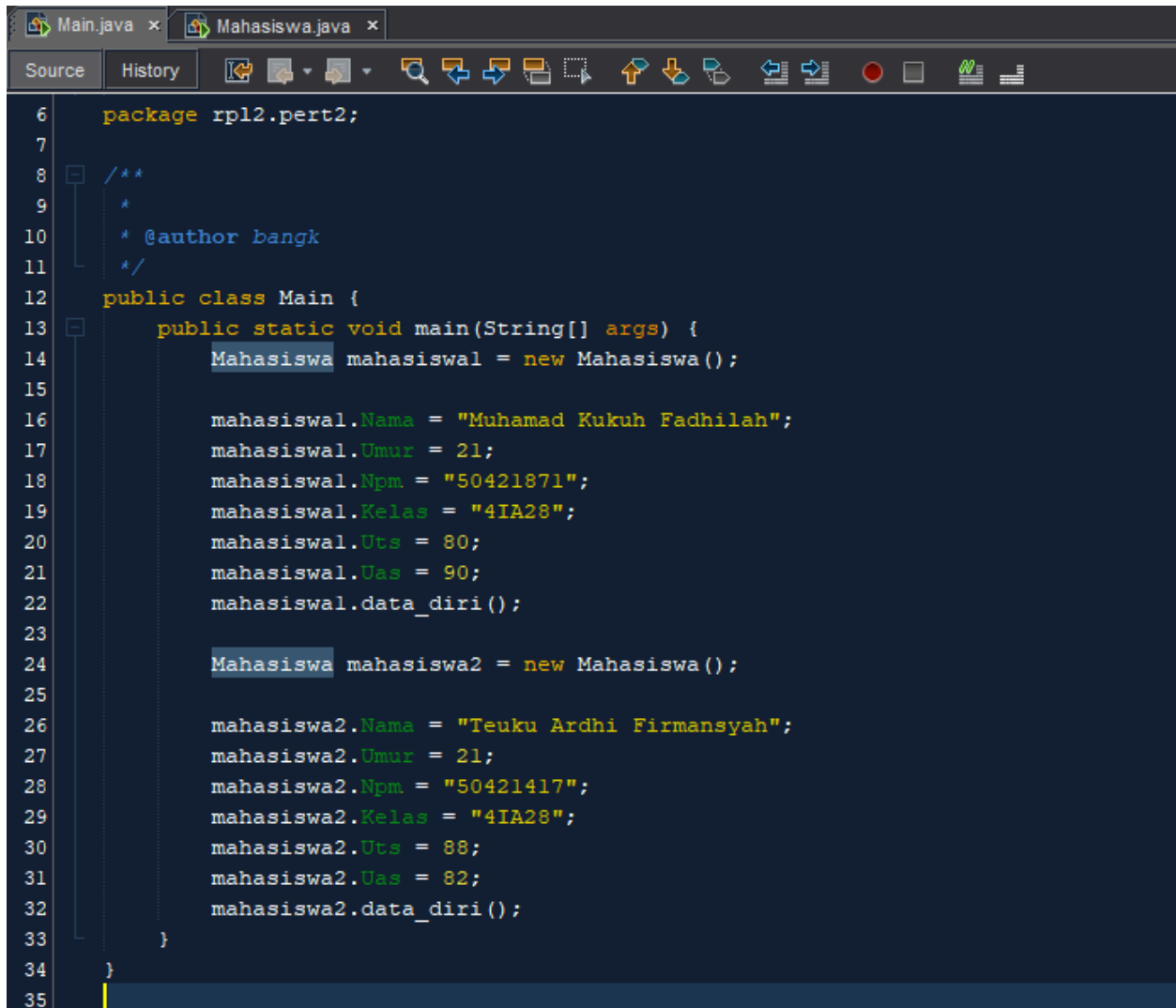
```
Output - rpl2-act1 (run)
run:
Nama : Muhamad Kukuh Fadhilah
Umur : 21
NPM : 50421871
Kelas : 4IA28
Nilai Akhir Ujian : 87.0
BUILD SUCCESSFUL (total time: 0 seconds)
```

ACT PERTEMUAN 2

Nama : Muhamad Kukuh Fadhilah

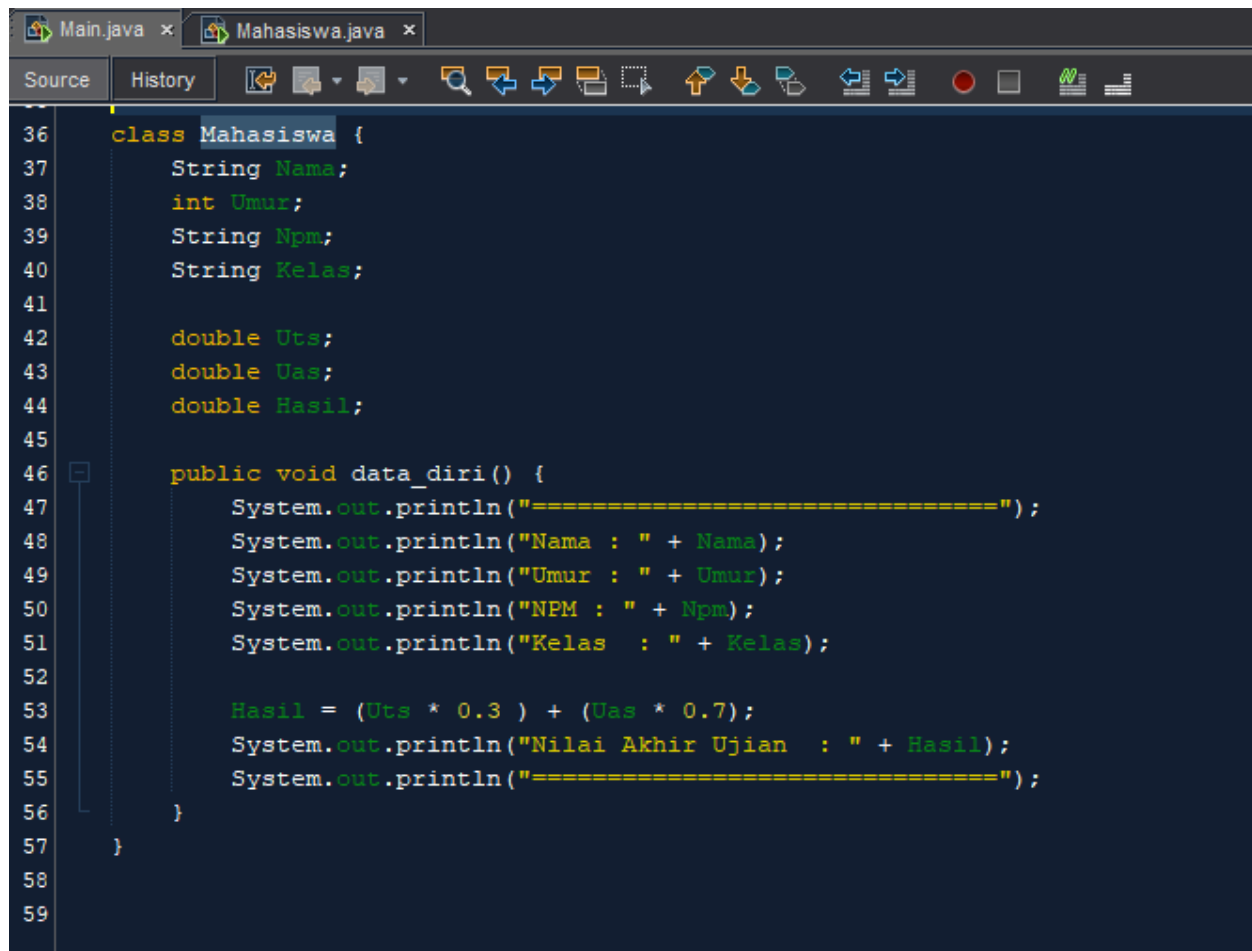
NPM : 50421871

Kelas : 4IA28



The screenshot shows an IDE window with two tabs: 'Main.java' and 'Mahasiswa.java'. The 'Source' tab is active, displaying the following Java code:

```
6 package rpl2.pert2;
7
8 /**
9  *
10  * @author bangk
11  */
12 public class Main {
13     public static void main(String[] args) {
14         Mahasiswa mahasiswa1 = new Mahasiswa();
15
16         mahasiswa1.Nama = "Muhamad Kukuh Fadhilah";
17         mahasiswa1.Umur = 21;
18         mahasiswa1.Npm = "50421871";
19         mahasiswa1.Kelas = "4IA28";
20         mahasiswa1.Uts = 80;
21         mahasiswa1.Uas = 90;
22         mahasiswa1.data_diri();
23
24         Mahasiswa mahasiswa2 = new Mahasiswa();
25
26         mahasiswa2.Nama = "Teuku Ardhi Firmansyah";
27         mahasiswa2.Umur = 21;
28         mahasiswa2.Npm = "50421417";
29         mahasiswa2.Kelas = "4IA28";
30         mahasiswa2.Uts = 88;
31         mahasiswa2.Uas = 82;
32         mahasiswa2.data_diri();
33     }
34 }
35
```



```
36 class Mahasiswa {
37     String Nama;
38     int Umur;
39     String Npm;
40     String Kelas;
41
42     double Uts;
43     double Uas;
44     double Hasil;
45
46     public void data_diri() {
47         System.out.println("=====");
48         System.out.println("Nama : " + Nama);
49         System.out.println("Umur : " + Umur);
50         System.out.println("NPM : " + Npm);
51         System.out.println("Kelas : " + Kelas);
52
53         Hasil = (Uts * 0.3 ) + (Uas * 0.7);
54         System.out.println("Nilai Akhir Ujian : " + Hasil);
55         System.out.println("=====");
56     }
57 }
58
59
```

Output - rpl2-pert1 (run)



run:



=====

Nama : Muhamad Kukuh Fadhilah

Umur : 21



NPM : 50421871

Kelas : 4IA28

Nilai Akhir Ujian : 87.0

=====

=====

Nama : Teuku Ardhi Firmansyah

Umur : 21

NPM : 50421417

Kelas : 4IA28

Nilai Akhir Ujian : 83.8

=====

BUILD SUCCESSFUL (total time: 0 seconds)



```
Kendaraan.java x
Source History
package rpl2.pert2;

/**
 *
 * @author bangk
 */
public class Kendaraan {
    public static void main(String[] args) {
        Motor motor1 = new Motor("Merah", "Motor Beat", 10, 10);

        motor1.cekBensin();
        motor1.jenis();
        motor1.starter();
        motor1.BelokKanan();
        motor1.BelokKiri();
        System.out.println("=====");

        Motor motor2 = new Motor("Biru", "Motor Nmax", 0, 10);

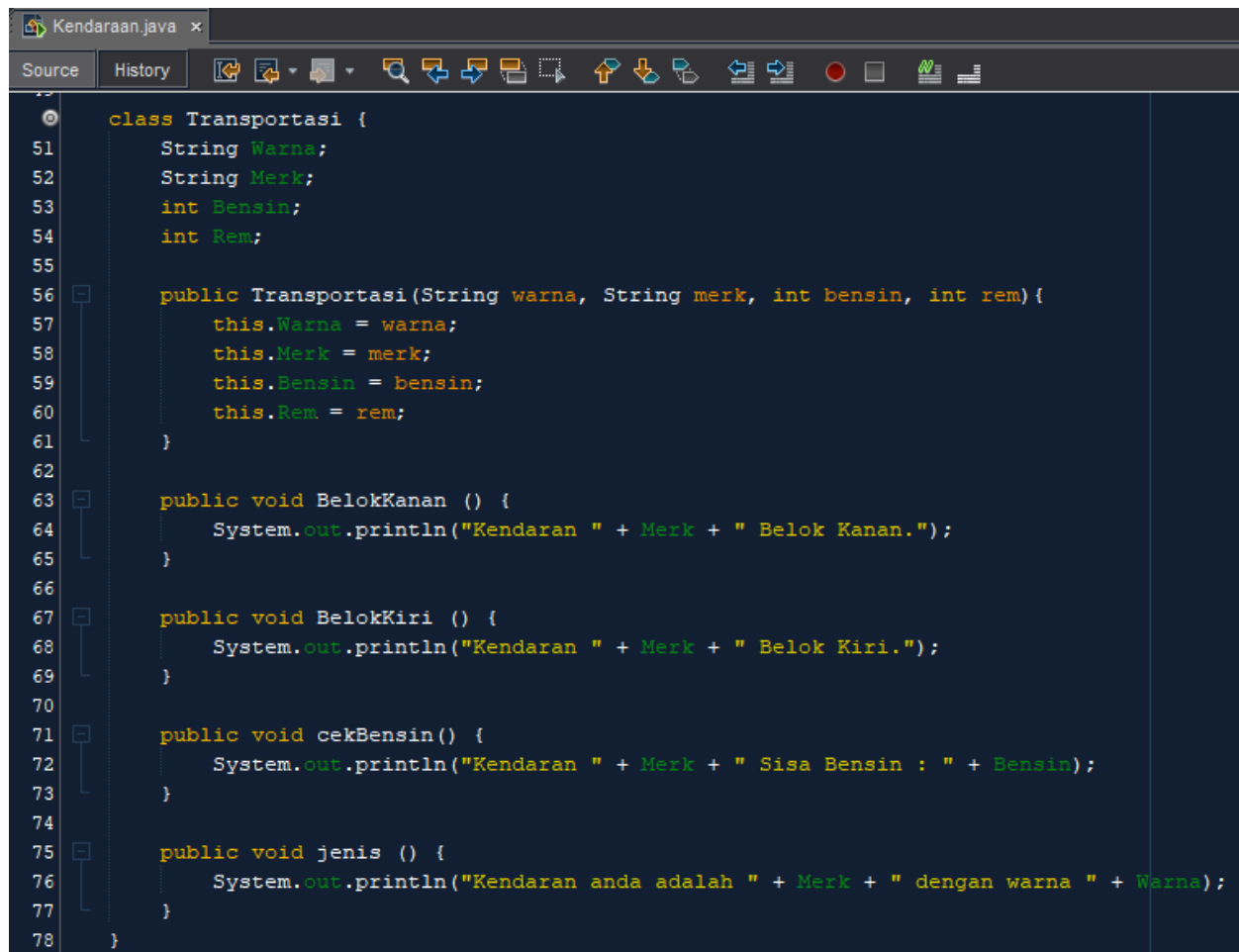
        motor2.cekBensin();
        motor2.jenis();
        motor2.starter();
        motor2.BelokKanan();
        motor2.BelokKiri();
        System.out.println("=====");
    }
}
```

```
Kendaraan.java x
Source History
    Mobil mobil1 = new Mobil("Hitam", "Avanza", 10, 5);

    mobil1.jenis();
    mobil1.BelokKanan();
    mobil1.BelokKiri();
    mobil1.Berhenti();
    System.out.println("=====");

    Mobil mobil2 = new Mobil("Hijau", "Xenia", 10, 0);

    mobil2.jenis();
    mobil2.BelokKanan();
    mobil2.BelokKiri();
    mobil1.Berhenti();
    System.out.println("=====");
}
}
```



```
class Transportasi {
51     String Warna;
52     String Merk;
53     int Bensin;
54     int Rem;
55
56     public Transportasi(String warna, String merk, int bensin, int rem){
57         this.Warna = warna;
58         this.Merk = merk;
59         this.Bensin = bensin;
60         this.Rem = rem;
61     }
62
63     public void BelokKanan () {
64         System.out.println("Kendaraan " + Merk + " Belok Kanan.");
65     }
66
67     public void BelokKiri () {
68         System.out.println("Kendaraan " + Merk + " Belok Kiri.");
69     }
70
71     public void cekBensin() {
72         System.out.println("Kendaraan " + Merk + " Sisa Bensin : " + Bensin);
73     }
74
75     public void jenis () {
76         System.out.println("Kendaraan anda adalah " + Merk + " dengan warna " + Warna);
77     }
78 }
```

```
Kendaraan.java x
Source History
80 class Motor extends Transportasi {
81     public Motor(String warna, String merk, int bensin, int rem) {
82         super(warna, merk, bensin, rem);
83     }
84
85     public void starter() {
86         if(Bensin > 0 ){
87             System.out.println("Motor " + Merk + " Bisa berjalan");
88         } else {
89             System.out.println("Motor " + Merk);
90             System.out.println("Bensin habis! Motor tidak bisa berjalan!");
91         }
92     }
93 }
94
95 class Mobil extends Transportasi {
96     public Mobil(String warna, String merk, int bensin, int rem) {
97         super(warna, merk, bensin, rem);
98     }
99     public void Berhenti() {
100         if(Rem > 0 ){
101             System.out.println("Mobil " + Merk + " Bisa menggunakan rem");
102         } else {
103             System.out.println("Mobil " + Merk);
104             System.out.println("Rem Blong! Diharapkan untuk segera ke bengkel terdekat");
105         }
106     }
107 }
```

```
Output - rp12-pert1 (run)
>> =====
>> Kendaran Motor Nmax Sisa Bensin : 0
>> Kendaran anda adalah Motor Nmax dengan warna Biru
>> Motor Motor Nmax
>> Bensin habis! Motor tidak bisa berjalan!
>> Kendaran Motor Nmax Belok Kanan.
>> Kendaran Motor Nmax Belok Kiri.
>> =====
>> Kendaran anda adalah Mobil Avanza dengan warna Hitam
>> Kendaran Mobil Avanza Belok Kanan.
>> Kendaran Mobil Avanza Belok Kiri.
>> Mobil Mobil Avanza Bisa menggunakan rem
>> =====
>> Kendaran anda adalah Mobil Xenia dengan warna Hijau
>> Kendaran Mobil Xenia Belok Kanan.
>> Kendaran Mobil Xenia Belok Kiri.
>> Mobil Mobil Avanza Bisa menggunakan rem
>> =====
BUILD SUCCESSFUL (total time: 0 seconds)
```