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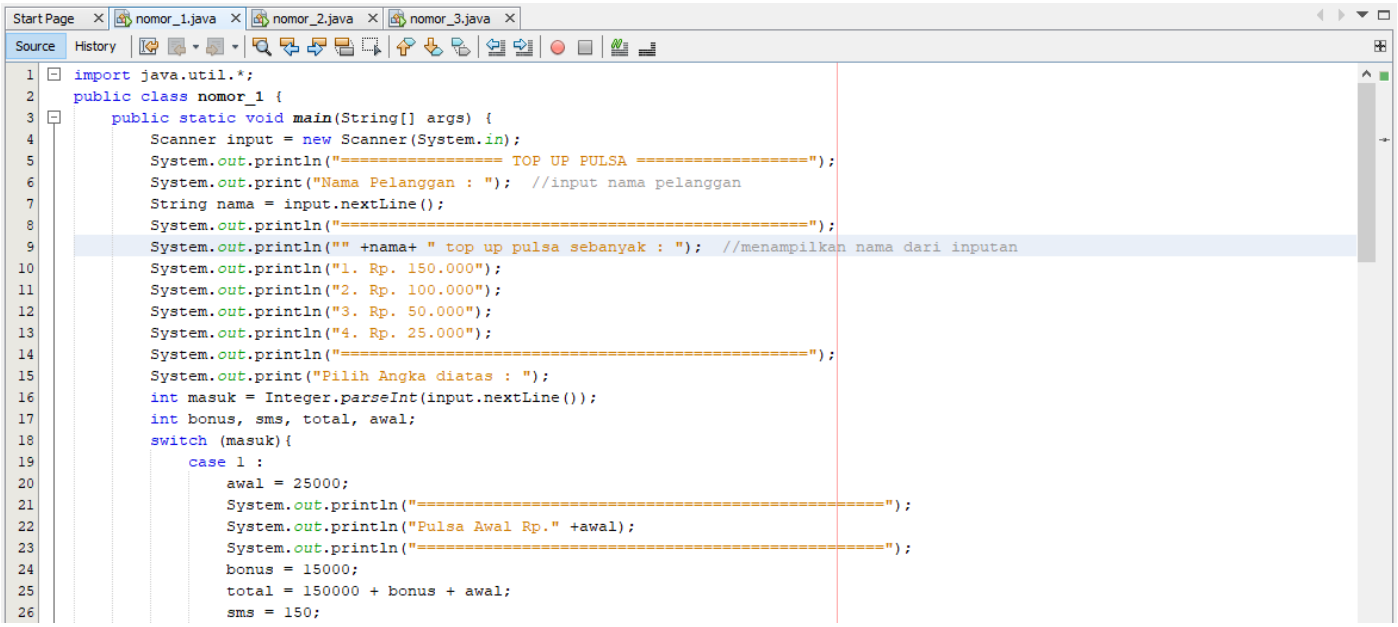
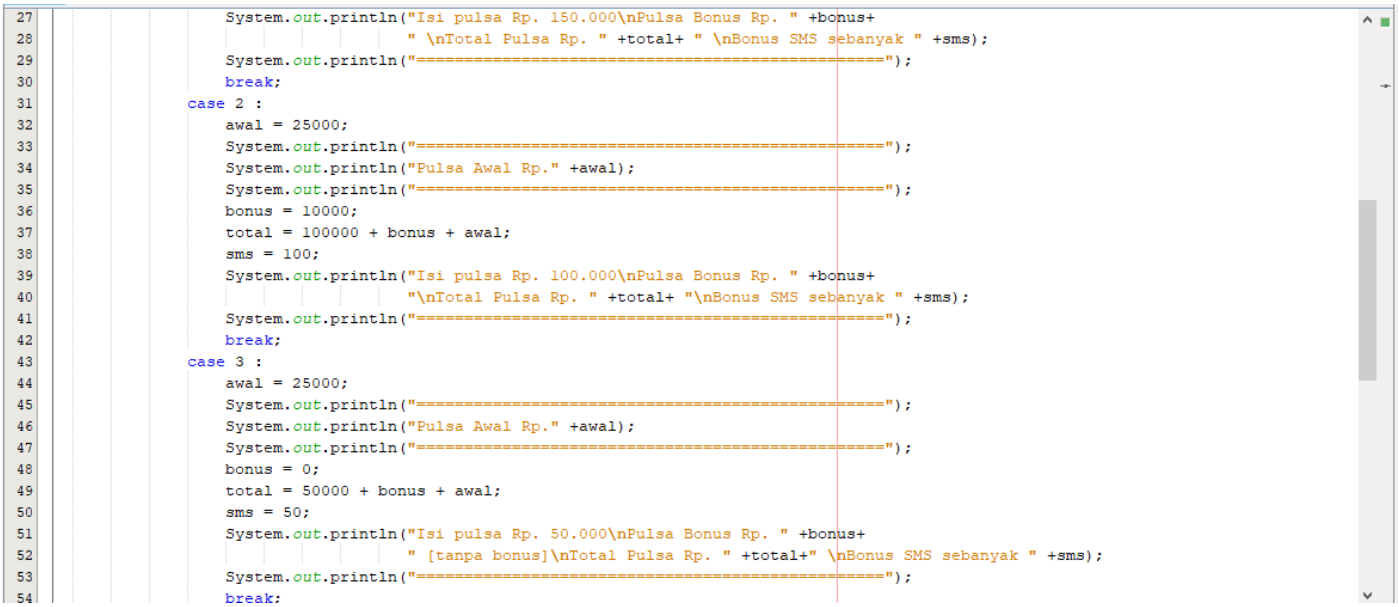
Dosen Pengampu	:	Ibu Puspa Miladin Nuraida Safitri A. Basid, M.Kom

1.

Source Code



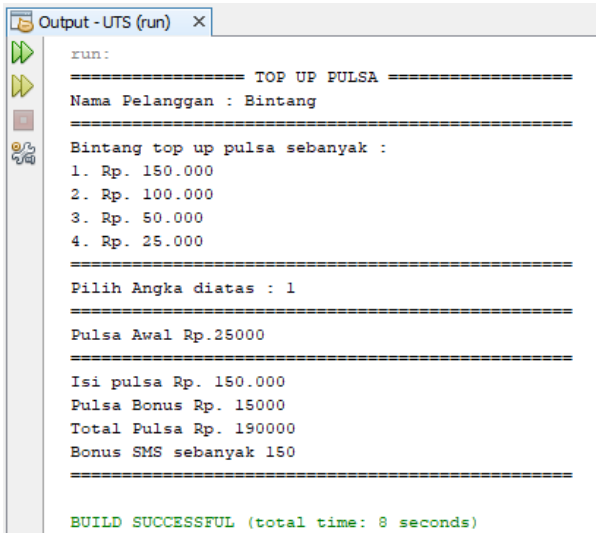
```java
import java.util.*;
public class nomor_1 {
    public static void main(String[] args) {
        Scanner input = new Scanner(System.in);
        System.out.println("================= TOP UP PULSA ==================");
        System.out.print("Nama Pelanggan : ");  //input nama pelanggan
        String nama = input.nextLine();
        System.out.println("================================================");
        System.out.println("" +nama+ " top up pulsa sebanyak : ");  //menampilkan nama dari inputan
        System.out.println("1. Rp. 150.000");
        System.out.println("2. Rp. 100.000");
        System.out.println("3. Rp. 50.000");
        System.out.println("4. Rp. 25.000");
        System.out.println("================================================");
        System.out.print("Pilih Angka diatas : ");
        int masuk = Integer.parseInt(input.nextLine());
        int bonus, sms, total, awal;
        switch (masuk){
            case 1 :
                awal = 25000;
                System.out.println("================================================");
                System.out.println("Pulsa Awal Rp." +awal);
                System.out.println("================================================");
                bonus = 15000;
                total = 150000 + bonus + awal;
                sms = 150;
```

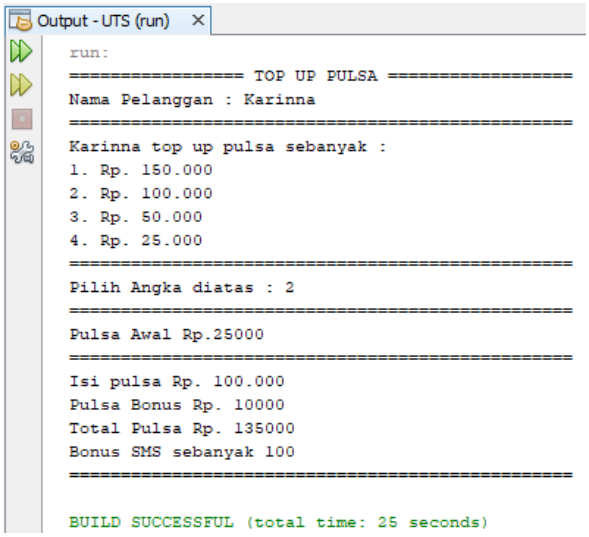


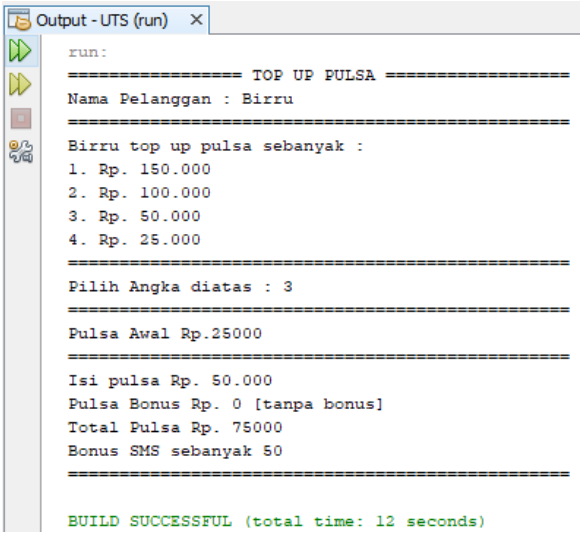
```java
                System.out.println("Isi pulsa Rp. 150.000\nPulsa Bonus Rp. " +bonus+
                                   " \nTotal Pulsa Rp. " +total+ " \nBonus SMS sebanyak " +sms);
                System.out.println("================================================");
                break;
            case 2 :
                awal = 25000;
                System.out.println("================================================");
                System.out.println("Pulsa Awal Rp." +awal);
                System.out.println("================================================");
                bonus = 10000;
                total = 100000 + bonus + awal;
                sms = 100;
                System.out.println("Isi pulsa Rp. 100.000\nPulsa Bonus Rp. " +bonus+
                                   "\nTotal Pulsa Rp. " +total+ "\nBonus SMS sebanyak " +sms);
                System.out.println("================================================");
                break;
            case 3 :
                awal = 25000;
                System.out.println("================================================");
                System.out.println("Pulsa Awal Rp." +awal);
                System.out.println("================================================");
                bonus = 0;
                total = 50000 + bonus + awal;
                sms = 50;
                System.out.println("Isi pulsa Rp. 50.000\nPulsa Bonus Rp. " +bonus+
                                   " [tanpa bonus]\nTotal Pulsa Rp. " +total+" \nBonus SMS sebanyak " +sms);
                System.out.println("================================================");
                break;
```

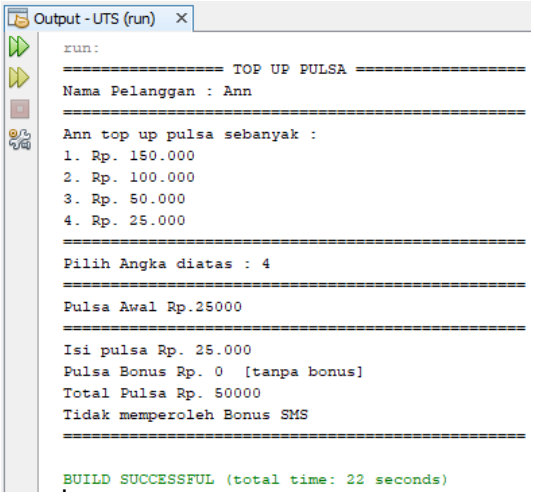
```
55                  case 4 :
56                      awal = 25000;
57                      System.out.println("================================================");
58                      System.out.println("Pulsa Awal Rp." +awal);
59                      System.out.println("================================================");
60                      bonus = 0;
61                      total = 25000 + bonus + awal;
62                      System.out.println("Isi pulsa Rp. 25.000\nPulsa Bonus Rp. " +bonus+
63                                         "  [tanpa bonus]\nTotal Pulsa Rp. " +total+ " \nTidak memperoleh Bonus SMS");
64                      System.out.println("================================================");
65                      break;
66                  default :
67                      System.out.println("================================================");
68                      System.out.println("Tidak ada dalam daftar pilihan ");
69                      System.out.println("================================================");
70                      break;
71              }
72              System.out.println();
73          }
74
75      }
76
```

Output









```
Output - UTS (run)
run:
================== TOP UP PULSA ==================
Nama Pelanggan : Bryan
==================================================
Bryan top up pulsa sebanyak :
1. Rp. 150.000
2. Rp. 100.000
3. Rp. 50.000
4. Rp. 25.000
==================================================
Pilih Angka diatas : 5
==================================================
Tidak ada dalam daftar pilihan
==================================================

BUILD SUCCESSFUL (total time: 59 seconds)
```

2.

Source Code

```java
public class nomor_2 {
    public static void main(String[] args) {
    int[] bilangan={1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20}; //membuat variabel dengan array
        System.out.println("================== Nilai 1 - 20 ==================");
        System.out.println("1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20");
        System.out.println(" ");
        System.out.println("================= Bilangan Genap =================");
        for(int i=0; i<bilangan.length; i++){       //mengambil data array dengan perulangan for
            if(bilangan[i]% 2 ==0){                 //jika data array bilangan habis dibagi 2 = 0
                System.out.print(bilangan[i] + " ");
            }
        }
        System.out.println(" ");
        System.out.println(" ");
        System.out.println("================= Bilangan ganjil ================");
        for(int i=0; i<bilangan.length; i++){
            if(bilangan[i] % 2!=0){           //jika data array bilangan tidak habis dibagi 2 = 0
                System.out.print(bilangan[i] +" ");
            }
        }
        System.out.println("");
    }
}
```

Output

```
Output - UTS (run)
run:
================== Nilai 1 - 20 ==================
1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20

================= Bilangan Genap =================
2 4 6 8 10 12 14 16 18 20

================= Bilangan ganjil ================
1 3 5 7 9 11 13 15 17 19
BUILD SUCCESSFUL (total time: 0 seconds)
```

3.

Source Code

Start Page | nomor_1.java | nomor_2.java | nomor_3.java

Source | History

```
1  public class nomor_3 {
2
3      public static void main(String[] args) {
4      int a,b,c;
5          for (a = 1; a <=5; a++) {           //menggunakan 3 perulangan for
6              for (b = 5; b > a; b--) {       //for a, b, c
7                  System.out.print(" ");      //memberikan spasi
8              }
9              for (c = 1; c < (2*a); c++) {
10                 System.out.print("*");      //menampilkan bintang
11             }
12             System.out.println();
13         }
14     }
15 }
```

Output

Output - UTS (run)

```
run:
     *
    ***
   *****
  *******
*********
BUILD SUCCESSFUL (total time: 0 seconds)
```