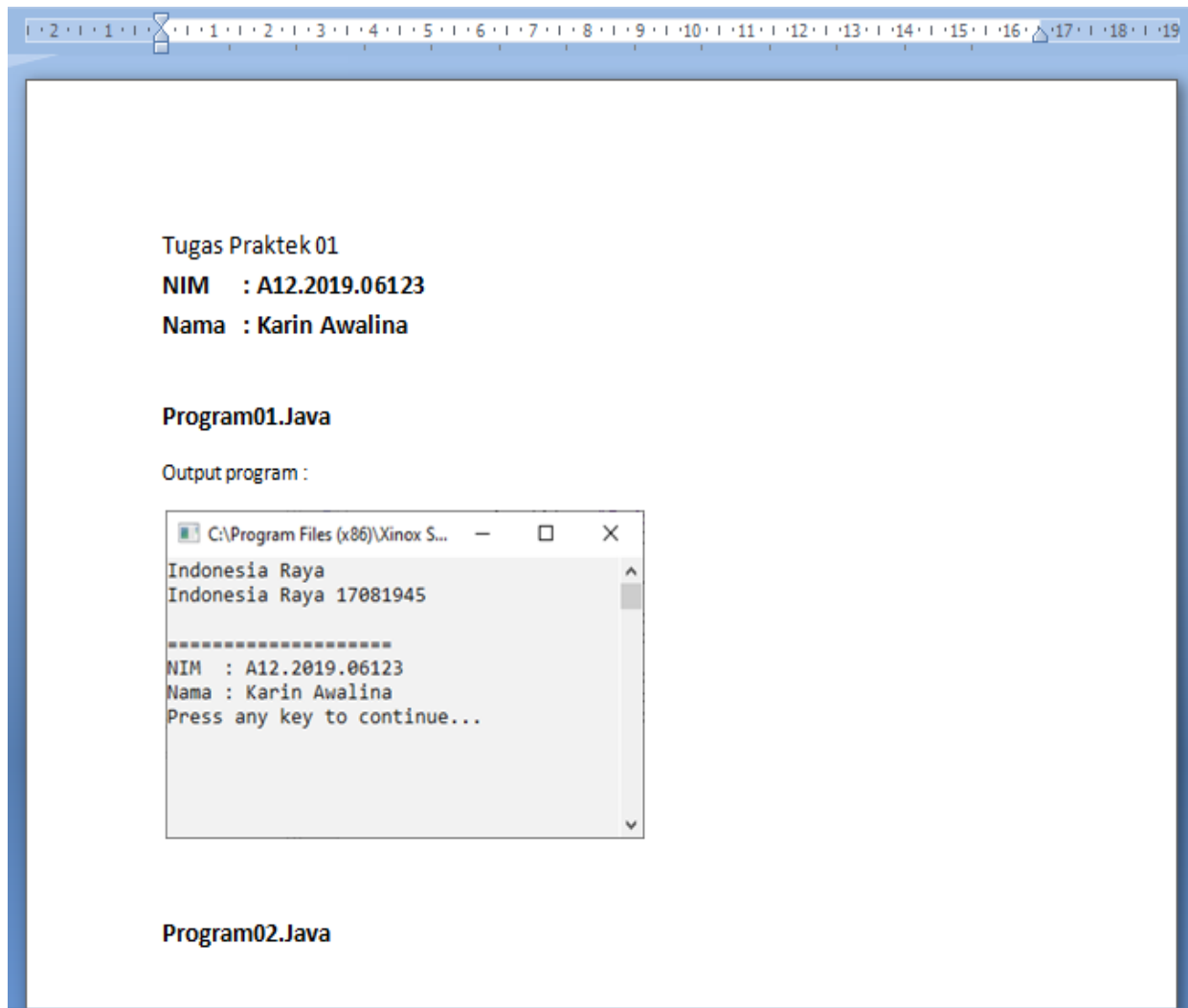


## Praktikum 3 (Operator)

Ketentuan pengumpulan tugas :

Nama file : **Praktikum3\_xxxxx** ( contoh : **Praktikum3\_06123**)  
File dikirim dalam format PDF (dari word dikonversi ke PDF)

Latihan terdiri dari Latihan03a s/d Latihan03g, yang dikumpulkan adalah : hasil kompilasi discreenshoot dan output program yg terdapat NIM dan Nama masing-masing Mahasiswa, seperti berikut :



## Latihan03a.java

Apa output program berikut :

```
public class Latihan03a
{
    public static void main(String[] args)
    {
        int x = 5;

        System.out.println("x      = " + x );
        System.out.println("x += 1 = " + (x += 1));
        System.out.println("x -= 2 = " + (x -= 2));
        System.out.println("x *= 3 = " + (x *= 3));
        System.out.println("x /= 4 = " + (x /= 4));
        System.out.println("x %= 5 = " + (x %= 5));

        System.out.println("\n=====");
        System.out.println("Program : Latihan03a");
        System.out.println("NIM      : A12.2019.06123");
        System.out.println("Nama     : Karin Awalina");
    }
}
```

## Latihan03b.java

Apa output program berikut :

```

public class Latihan03b
{
    public static void main(String abcd[])
    {
        int a, hasil;
        a = 14;
        hasil = (a++ > 14) ? 10: 20;
        System.out.println( "Output Satu   : " + hasil );

        hasil = (a <= 14) ? 30: 40;
        System.out.println( "Output Dua    : " + hasil );

        hasil = (a>14 && a<45) ? 50: 60;
        System.out.println( "Output Tiga   : " + hasil );

        hasil = (a<14 || a<45) ? 70: 80;
        System.out.println( "Output Empat  : " + hasil );

        System.out.println("\n=====");
        System.out.println("Program : Latihan03b");
        System.out.println("NIM      : A12.2019.06123");
        System.out.println("Nama     : Karin Awalina");
    }
}

```

## Latihan03c.java

Apa output program berikut :

```

public class Latihan03c
{
    public static void main(String abcd[])
    {
        int x = 9;
        int y = 3;
        System.out.println("1. " + (x > 3 && x < 10));
        System.out.println("2. " + (x > 3 && y > 10));
        System.out.println("3. " + (x < 3 || y < 10));
        System.out.println("4. " + (x < 3 || y > 10));
        System.out.println("5. " + (x++ > 9 && y+1 > 4));
        System.out.println("6. " + (x > 9 && y+1 > 4));
        System.out.println("7. " + (x++ > 9 || y+1 == 4));
        System.out.println("8. " + (x > 9 || y+1 == 4));

        System.out.println("\n=====");
        System.out.println("Program : Latihan03c");
        System.out.println("NIM      : A12.2019.06123");
        System.out.println("Nama     : Karin Awalina");
    }
}

```

## Latihan03d.java

Apa output program berikut :

```
public class Latihan03d
{
    public static void main(String abcd[])
    {
        int a = 17;
        int b = 8;
        int c = 5;

        System.out.println("a & b = " + ( a & b ));
        System.out.println("b | c = " + ( b | c ));
        System.out.println("a ^ b = " + ( a ^ b ));

        System.out.println("\n=====");
        System.out.println("Program : Latihan03d");
        System.out.println("NIM      : A12.2019.06123");
        System.out.println("Nama    : Karin Awalina");
    }
}
```

## Latihan03e.java

Apa output program berikut :

```
public class Latihan03e
{
    public static void main(String abcd[])
    {
        int a = 8;
        int b = 20;

        System.out.println("Nilai a      : " + ( a ));
        System.out.println("Nilai b      : " + ( b ));
        System.out.println("Hasil a>>1  : " + ( a>>1 ));
        System.out.println("Hasil a>>2  : " + ( a>>2 ));
        System.out.println("Hasil b<<1  : " + ( b<<1 ));
        System.out.println("Hasil b<<2  : " + ( b<<2 ));

        System.out.println("\n=====");
        System.out.println("Program : Latihan03e");
        System.out.println("NIM      : A12.2019.06123");
        System.out.println("Nama    : Karin Awalina");
    }
}
```

## Latihan03f.java

Apa output program berikut :

```
public class Latihan03f
{
    public static void main(String abcd[])
    {
        int a = 8;
        int b = 10;

        System.out.println("Nilai a      : " + ( a ));
        System.out.println("Nilai b      : " + ( b ));
        System.out.println("a++         : " + ( a++ ));
        System.out.println("++b         : " + ( ++b ));
        System.out.println("a++ + ++a    : " + ( a++ + ++a ));
        System.out.println("b++ + b++    : " + ( b++ + b++ ));

        System.out.println("\n=====");
        System.out.println("Program : Latihan03f");
        System.out.println("NIM      : A12.2019.06123");
        System.out.println("Nama     : Karin Awalina");
    }
}
```

## Latihan03g.java

Apa output program berikut :

```

public class Latihan03g
{
    public static void main(String abcd[])
    {
        int x1, x2, x3, x4, x5;

        x1 = 5 + 7 * 2;
        x2 = (5 + 7) * 2;
        x3 = 5 + 7 * 2 - 1;
        x4 = (5 + 7) * (2 - 1);
        x5 = 1 + 2 - 3 * 4 % 5 ;

        System.out.println("5 + 7 * 2          : " + (x1));
        System.out.println("(5 + 7) * 2          : " + (x2));
        System.out.println("5 + 7 * 2 - 1        : " + (x3));
        System.out.println("(5 + 7) * (2 - 1)    : " + (x4));
        System.out.println("1 + 2 - 3 * 4 % 5    : " + (x5));

        System.out.println("\n=====");
        System.out.println("Program : Latihan03g");
        System.out.println("NIM      : A12.2019.06123");
        System.out.println("Nama     : Karin Awalina");
    }
}

```