LATIHAN 14. Bit

```java
/**
 *
 * @author Rizki Adam Kurniawan
 */
public class PBO610110269Latihan14Bit {

    public static void main(String[] args) {
        int a = 60;/* 60 = 0011 1100 */
        int b = 13;/* 13 = 0000 1101 */
        int c = 0;
        c = a & b;
        /* 12 = 0000 1100 */
        System.out.println("a & b = " + c);
        c = a | b;
        /* 61 = 0011 1101 */
        System.out.println("a | b = " + c);
        c = a ^ b;
        /* 49 = 0011 0001 */
        System.out.println("a ^ b = " + c);
        c = ~a;
        /*-61 = 1100 0011 */
        System.out.println("~a = " + c);
        c = a << 2;
        /* 240 = 1111 0000 */
        System.out.println("a << 2 = " + c);
        c = a >> 2;
        /* 15 = 0000 1111 */
        System.out.println("a >> 2 = " + c);
    }
}
```

Output - PBO6-10110269-Latihan14-bit (run

```
run:
a & b = 12
a | b = 61
a ^ b = 49
~a = -61
a << 2 = 240
a >> 2 = 15
BUILD SUCCESSFUL
```

LATIHAN 15. Logika

```java
/**
 *
 * @author Rizki Adam Kurniawan
 */
public class PBO610110269Latihan15Logika {

    public static void main(String[] args) {
        boolean a = true;
        boolean b = false;
        System.out.println("a && b = " + (a && b));
        System.out.println("a || b = " + (a || b));
        System.out.println("!a = " + !a);
        System.out.println("!(a && b) = " + !(a && b));
    }
}
```
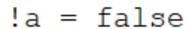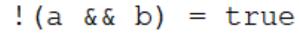
Output - PBO6-10110269-Latihan15-Logika (ru

```
run:
a && b = false
a || b = true
!a = false
!(a && b) = true
BUILD SUCCESSFUL
```