Kerjakan percobaan-percobaan di bawah ini !. Setiap percobaan beri analisa dan jelaskan pula prosesnya !

Percobaan 1 :

```
public class Complement{
    public static void main(String args[]){
       int i = ~7 ;
       System.out.println("Hasil Operasi :" + i );
    }
}
```

Percobaan 2 :

```
Berapakah nilai a ? Jelaskan prosesnya !

byte a=-1;
a=(byte) (a >>> 2);
System.out.println(a);
```

Percobaan 3 :

Berapakah nilai a ? Jelaskan prosesnya !

```
byte a= 96 ;
a=(byte) (a << 2);
System.out.println(a);
```

Percobaan 4 :
Berapakah nilai a ? Jelaskan prosesnya !

```
int a= -5 ;
a= a >>> 2 ;
System.out.println(a);
```

Percobaan 5 :
Berapakah nilai a ? Jelaskan prosesnya !

```
int a= -5 ;
a= a >> 2 ;
System.out.println(a);
```

Percobaan 6 :
Berapakah nilai a ? Jelaskan prosesnya !

```
int a= 5 ;
a= a >> 2 ;
System.out.println(a);
```

Percobaan 7 :
Berapakah nilai a ? Jelaskan prosesnya !

```
int a= 5 ;
a= a >>> 2 ;
System.out.println(a);
```

Percobaan 8 : Melakukan operasi shift

```
class Shift {
   public static void main (String args[]) {
      int x = 7;
      System.out.println("x = " + x);
      System.out.println("x >> 2 = " + (x >> 2));
      System.out.println("x << 1 = " + (x << 1));
      System.out.println("x >>> 1 = " + (x >>> 1));
   }
}
```

Percobaan 9 : Menggunakan operator boolean and

```
public class BooleanAnd {
   public static void main(String args[]) {
      int a=5, b=7;
      if ((a<2) & (b++<10)) b+=2;
      System.out.println(b);
  }
}
```

Percobaan 10 : Menggunakan operator boolean and short-circuit

```
public class ShortCircuitBooleanAnd {
   public static void main(String args[]) {
     int a=5, b=7;
     if ((a<2) && (b++<10)) b+=2;
     System.out.println(b);
   }
}
```

Percobaan 11 : Menggunakan boolean or

```
public class BooleanOr {
   public static void main(String args[]) {
     int a=5, b=7;
     if ((a>2) | (b++<10)) b+=2;
     System.out.println(b);
   }
}
```

Percobaan 12 : Menggunakan boolean or short-circuit

```
public class ShortCircuitBooleanOr {
   public static void main(String args[]) {
      int a=5, b=7;
      if ((a>2) || (b++<10)) b+=2;
      System.out.println(b);
   }
}
```