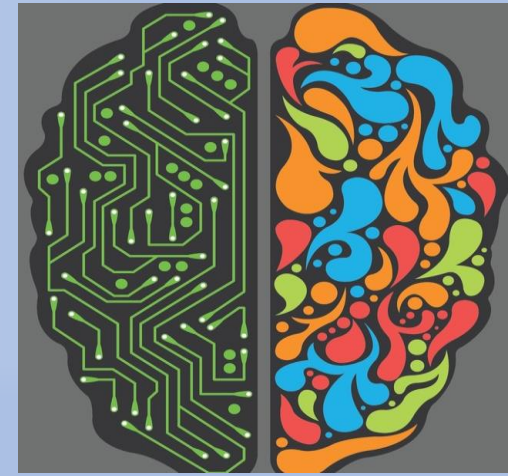# Module 3:
Program To Swap two Numbers

Swapping of two numbers

There are two methods to swap two numbers:

* Using a third variable

* Without using third variable

❏ **Programming Questions:**

* WAP to swap the value of a & b which are initially 5 & 7 (by using third variable).

* WAP to swap the value of a & b which are initially 5 & 7 (without using third variable).

Solutions of the program

WAP to swap the value of *a* & *b* which are initially 5 & 7 (by using third variable).

```java
class swap_1{
    public static void main(String Args[])
    {
        int a,b;
        a=5;
        b=7;
        System.out.println("Initial values are a= "+a+ "b= "+b);
        int t;
        t=a;
        a=b;
        b=t;
        System.out.println("Final values are a= "+a+ "b= "+b);
    }
}
```

WAP to swap the value of *a* & *b* which are initially 5 & 7 (without using third variable).

```java
class swap_2{
    public static void main(String Args[]){
        int a,b;
        a=5;
        b=7;
        System.out.println("Initial values are a= "+a+ " b= "+b);
        a=a+b;
        b=a-b;
        a=a-b;
        System.out.println("Final values are a= "+a+ " b= "+b);
    }
}
```