

TOPIC: - INVOKE METHOD OR FUNCTION

According to invoke method or functions are two types :-

- i. Call by value
- ii. Call by reference

Call by value :-

That method where arguments are used as a value or variable with data type is known as call by value.

Call by reference:-

That method where arguments are used as object of class and object call the value then it is known as call by reference.

Example of call by value

Q. WAP to give any two no. then displays their swapping value by using function or method.

Sol.

```
import java.util.*;

class mk
{
    void swap(int a , int b)
    {
        int c;
        c=a;
        a=b;
        b=c;

        System.out.println("After swap"+a+ " "+b);
    }

    public static void main(String ar[])
    {
        int x,y;

        Scanner sc=new Scanner(System.in);
        System.out.println("Give Any Two No.");
        x=sc.nextInt();
```

```
y=sc.nextInt();
System.out.println("Before swap "+x + " " +y);
mk m=new mk();
    m.swap(x,y);
}
}
----- * -----
```

Example of call by reference

Q. WAP in java to creating swapping function used by call by reference.

Sol.

```
import java.util.*;
class ak
    {
int a , b;
ak(int i, int j)
{
a=i;
b=j;
}
void swap (ak k)
    {
int c;
c=k.a;
k.a=k.b;
k.b=c;
    }
public static void main(String ar[])
    {
Scanner sc =new Scanner (System.in);
```

```
int x,y;
System.out.println("Give any two no");
x=sc.nextInt();
y=sc.nextInt();
System.out.println("Before swap "+x+ " "+y);
ak ob=new ak(x,y);
ob.swap(ob);
System.out.println("After swap "+ob.a + " "+ob.b);
}
}
```

-