DAY-14

27 June 2023 16:21

ELSE IF LADDER

- IN ELSE-IF LADDER THE CONDITION-1 IS CHECKED AND IF IT IS TRUE THE SET OF BLOCK WILL BE EXCEUTED OR
- IF THE CONDITION1 IS FALSE IT GOES TO THE ELSE PART AND CHECK CONDITION2 IF IT IS TRUE THEN THE SET OF BLOCK WILL EXCEUTED OR
- IF THE CONDITION 2 IS FALSE IT GOES TO THE ELSE PART AND EXECUTE THE SET OF BLOCK
- HERE THERE CAN BE MANY STAGES OF IF-ELSE CONDITION BUT ONLY ONE BLOCK WILL BE EXECUTED

```
IF(CONDITION-1)
{
	//CODE TO EXECUTED
}
ELSE IF(CONDITION-2)
{
	//CODE TO EXECUTED
}

ELSE
{
	//CODE TO BE EXECUTED
}
```

- WRITE A PROGRAM TO FIND THE GREATEST OF THREE NUMBERS

NUM1 = 100

NUM2 = 200

NUM3 = 300

NUM1

NUM1 SHOULD BE GREATER NUM 2 AND ALSO NUM 1 GREATER THAN NUMBER 3

NUM2

NUM2 SHOULD BE GREATER NUM 1 AND ALSO NUM 2 GREATER THAN NUMBER 3

NUM 3

NUM3 SHOULD BE GREATER NUM 1 AND ALSO NUM 3 GREATER THAN NUMBER 2

```
class Test1
{

	public static void main(String[] args)
	{
		int num1 = 10;
		int num2 = 10;
		int num3 = 10;

		if (num1 > num2 && num1 > num3)
		{
			System.out.println("The largest is num1");
		}
		else if(num2 > num1 && num2 > num3)
		{
			System.out.println("The largest is num2");
		}
		else if(num3 > num1 && num3 > num2)
		{
			System.out.println("The largest is num3");
		}
		else
		{
			System.out.println("All are numbers are equal");
		}
	}
}
```

SWITCH

- SWITCH STATEMENT CHECKS THE VALUE/EXPRESSION , THEN COMPARE IT WITH THE CASE VALUES AND THEN EXCEUTES THE CORRESPONDING SET OF BLOCK

```
SWITCH(VALUE/EXPRESSION)
{
	CASE 1: CODE TO BE EXECUTED
}
```

x=5