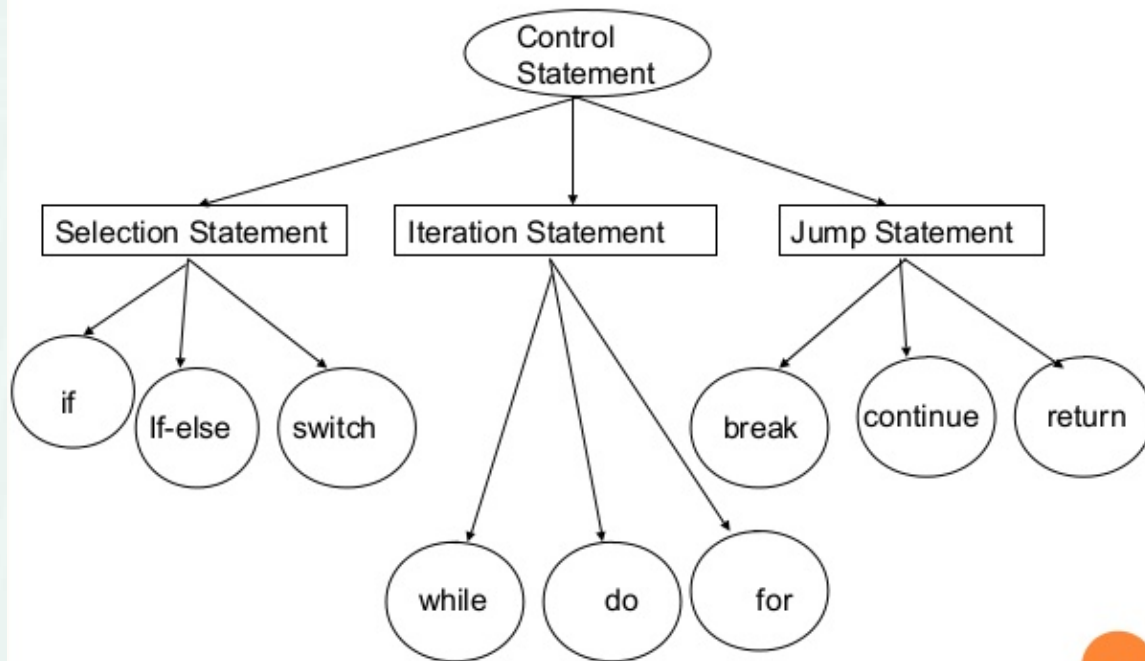



Control Statements: Tanlash Operatorlari

JAVA CONTROL STATEMENTS





Javada *if* operatori shartni tekshirish uchun foydalaniladi. U mantiqiy ifodaning qiymatini tekshiradi. Uning quyidagi turlari mavjud:

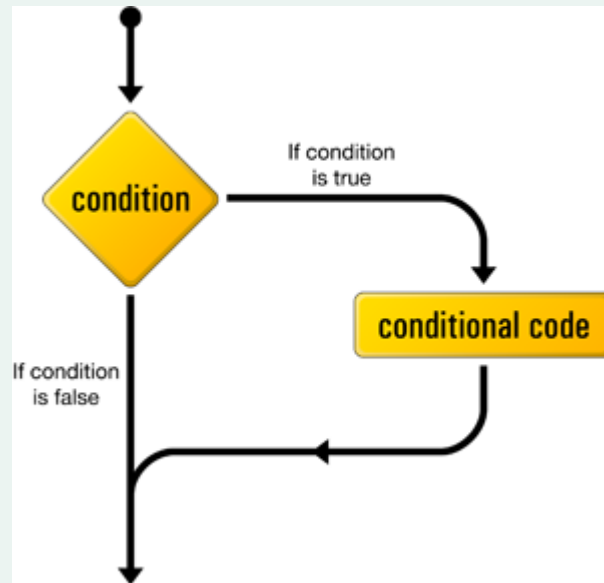
- ❖ if statement
- ❖ if-else statement
- ❖ nested if statement (ichki)
- ❖ if-else-if ladder (zina-poya)

if Statement

Agarda mantiqiy ifodaning qiymati true bo'lsa if blok bajariladi.

Syntax:

```
if(condition){  
    //code to be executed  
}
```



if Statement - Example

```
class IfStatement {  
    public static void main(String[] args) {  
  
        int number = 10;  
  
        if (number > 0) {  
            System.out.println("Number is positive.");  
        }  
        System.out.println("This statement is always executed.");  
    }  
}
```



if-else Statement

Javada if-else statement ham shartni tekshirish uchun ishlatiladi. Agarda mantiqiy ifodaning qiymati true bo'lsa if bloki bajariladi, aks holda else bloki bajariladi.

Syntax:

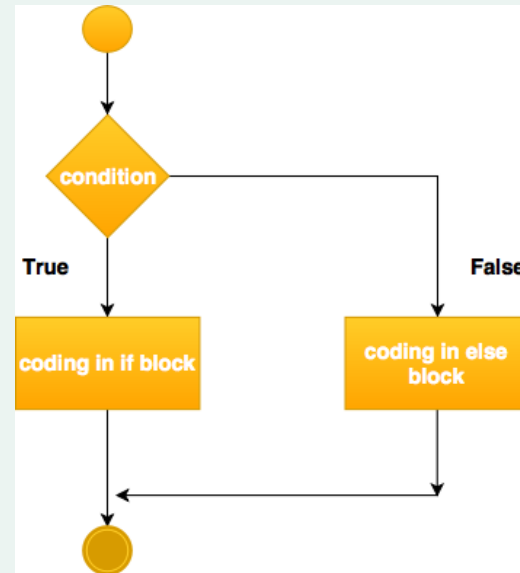
```
if(condition){
```

```
//code to be executed
```

```
}else{
```

```
//code to be executed
```

```
}
```



if-else Statement - Example

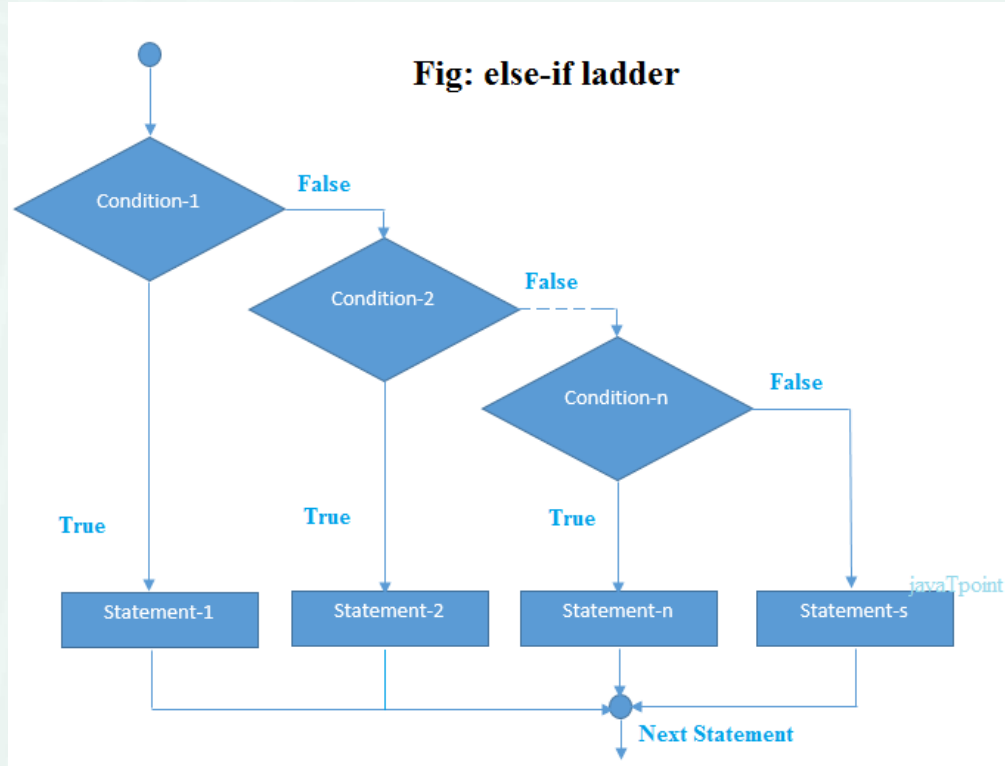
```
class IfElse {  
    public static void main(String[] args) {  
        int number = 10;  
  
        if (number > 0) {  
            System.out.println("Number is positive.");  
        }  
        else {  
            System.out.println("Number is not positive.");  
        }  
  
        System.out.println("This statement is always executed.");  
    }  
}
```

if-else-if ladder Statement

if-else-if ladder statement da ko`pchilik blokardan faqat bittasi bajariladi.

```
if(condition1){  
    //code to be executed if condition1 is true  
}  
else if(condition2){  
    //code to be executed if condition2 is true  
}  
else if(condition3){  
    //code to be executed if condition3 is true  
}  
...  
else{  
    //code to be executed if all the conditions are false  
}
```


if-else-if ladder Statement - Block



if-else-if ladder Statement - Example

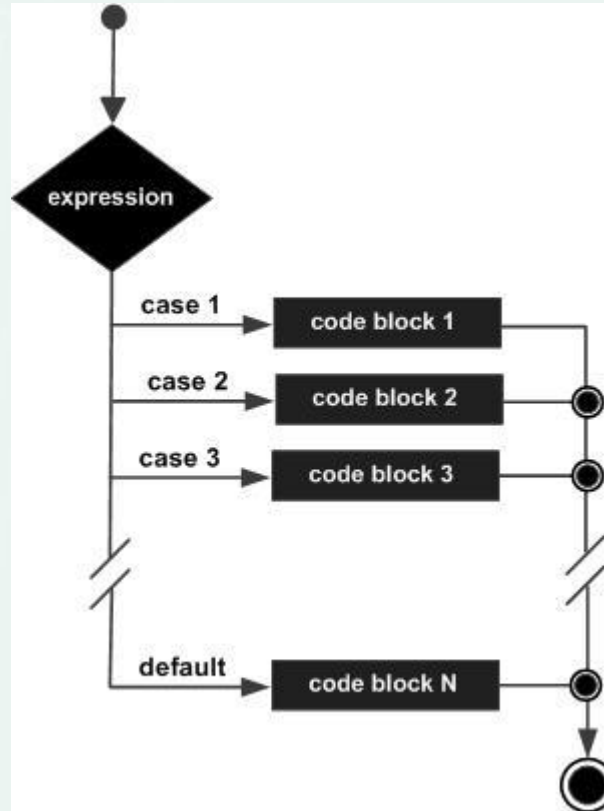
```
class Ladder {  
    public static void main(String[] args) {  
  
        int number = 0;  
  
        if (number > 0) {  
            System.out.println("Number is positive.");  
        }  
        else if (number < 0) {  
            System.out.println("Number is negative.");  
        }  
        else {  
            System.out.println("Number is 0.");  
        }  
    }  
}
```

Java Switch Statement

Javada switch statement yordamida ko'pchilik shartlardan faqat bittasi bajariladigan hollarda foydalaniladi. U if-else-if statementga o'xshab ketadi.

```
switch(expression){  
  case value1:  
    //code to be executed;  
    break; //optional  
  case value2:  
    //code to be executed;  
    break; //optional  
  .....  
  default:  
    code to be executed if all cases are not matched;  
}
```

Switch Statement – Block



Switch Statement – Example

```
public class Test {  
  
    public static void main(String args[]) {  
        // char grade = args[0].charAt(0);  
        char grade = 'C';  
  
        switch(grade) {  
            case 'A' :  
                System.out.println("Excellent!");  
                break;  
            case 'B' :  
            case 'C' :  
                System.out.println("Well done");  
                break;  
            case 'D' :  
                System.out.println("You passed");  
            case 'F' :  
                System.out.println("Better try again");  
                break;  
            default :  
                System.out.println("Invalid grade");  
        }  
        System.out.println("Your grade is " + grade);  
    }  
}
```