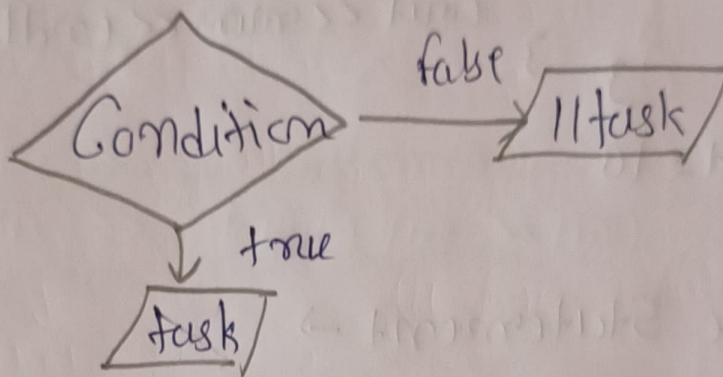


## => Conditional or Decision Making Statements :-

↳ Conditional statements are used to check whether the given condition is true, do the given task and if the condition is false, execute the another given task.



→ Decision-making statements :-

1. if statement
2. if-else statement
3. Nested if statement
4. if-else-if statement
5. Switch statement
6. Conditional or ternary operator
7. Jump statements →
  - break
  - continue
  - goto
  - return

## 1. if Statement →

Syntax → if (condition) {

    // logic  
}

Program → int main () {

    int num = 10;

    if (num > 5) {

        cout << num << endl;

    }

Output = 10

## 2. if-else Statement →

Syntax → if (condition) {

    // logic  
}

else {

    // logic  
}



```

Program - int main() {
    int age = 19;
    if (age >= 15.5 && age <= 18.5) {
        cout << "Eligible for NDA" << endl;
    }
    else {
        cout << "Go for CDS" << endl;
    }
}

```

Output = Go for CDS

3. if - else - if statement →

syntax → if (condition) {

    // logic

    } else if {

        // logic

    }

    else if

    {

        // logic

    }

    else {

        // logic

    }

```

Program - int main() {
    int age = 21;
    if (age >= 15.5 && age <= 18.5) {
        cout << "Eligible for NDA" << endl;
    }
    else if (age >= 20 && age <= 25) {
        cout << "Eligible for CDS & AFCAT"
        << endl;
    }
    else {
        cout << "not eligible" << endl;
    }
}

```

Output = eligible for CDS & AFCAT

4. nested - if Statement →

```

Syntax → if (Condition 1) {
    // logic
    if (Condition 2) {
        // logic
    }
}
else {
    // logic
}

```



Program -

```
int main() {  
    int a=10, b=5, c=2;  
    if (a < 5) {  
        cout << endl;  
        if (c == 2) {  
            cout << c << endl;  
        }  
    }  
    else {  
        cout << "Namaste" << endl;  
    }  
}
```

Output = Namaste