

# Conditional statement

- *If statement*
- *If-else statement*
- *Else-if statement*
- *Nested-if statement*
- *Switch case*

## If statement:-

- It is used when we want to test a single condition.

```
// Syntax
if(Condition){
    // statement
}
```

```
// PROGRAM OF IF STATEMENT \\
import java.util.Scanner;

public class text {
    public static void main(String[] args) {
        int pwd;
        System.out.println("enter your password: ");
        Scanner obj=new Scanner(System.in);
        pwd=obj.nextInt();
        if(pwd==123){
            System.out.print("successfully login");
        }
    }
}

OUTPUT:-
enter your password:
123
successfully login
```

## if-else statement:-

- it is used when we want to execute two statement for a single condition.

```
// Syntax
    if(Condition){
        // statement-1
    }

    Else{
        // statement-2
    }
}
```

```
// PROGRAM OF IF-ELSE STATEMENT \\
import java.util.Scanner;

public class text {
    public static void main(String[] args) {
        int pwd;
        System.out.println("enter your password: ");
        Scanner obj=new Scanner(System.in);
        pwd=obj.nextInt();
        if(pwd==123){
            System.out.print("successfully login");
        }
        Else{
            System.out.print("login fail");
        }
    }
}

OUTPUT:-
enter your password:
1234
Login fail
```

## Else-if statement:-

- it is used when we have only if block, multiple else-if block and at the last else block.

```
// Syntax
    if(Condition){
        // statement-1
    }
    Else-if {
        // statement-2
    }
    Else{
        // statement-3
    }
}
```

```
// PROGRAM OF ELSE-IF STATEMENT \\
import java.util.Scanner;

public class text {
    public static void main(String[] args) {
        int pwd;
        System.out.println("enter your password: ");
        Scanner obj=new Scanner(System.in);
        pwd=obj.nextInt();
```

```

    if(pwd==123){
        System.out.print("successfully login");
    }
    Else if(pwd==1234){
        System.out.print("successfully login");
    }
    Else{
        System.out.print("login fail");
    }
}

```

OUTPUT:-

enter your password:

1234

Successfully Login

## Nested if-else statement.

- Whenever, we define if-else block inside another if-else block then it is called as a nested if-else statement

```

> // Syntax of nested if-else
> if(condition1){
>     if(condition2){
>         //code
>     }
>     else{
>         //code
>     }
> }
> else{
>     if(condition3){
>         //code
>     }
>     else{
>         //code
>     }
> }

```

```

class example
{
    public static void main(String args[])
    {
        if('a' == 97){
            if('z' == 122){
                System.out.println("Correct");
            }
            else{
                System.out.println("Wrong");
            }
        }
        else{
            System.out.println("Wrong");
        }
    }
}

```

OUTPUT:-Correct

