Chapter No. 9
Prompts :

A prompt box asks the user for some information and provides a response field for her answer.
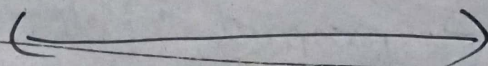
Syantax :

```
var spec = prompt("What is this")
```

In a prompt you need a way to capture the user's respone.

In a prompt you can specify a second string. This is the default response that appears in the filed whe the prompt display.

$\longleftarrow \qquad \longrightarrow$

Chapter No. 20
If Statement.

Supose you code a prompt that ask, "Where does the Pope live?
If the user answers correctly, you display an alert congratulating him.
An if statement always begins with if.

The first line of an if statement end with an opening curly braket.
An entire if statement ends with a closing curly brackets on its ownline.

```
Var a = prompt ("Enter")
If (a == "Hi") {
    alert ("correct")
}
```

Chapter No : 11
Comparison Operators:-

You can use the equality oprators to Compare a variable with a string, number and math expressiosn. and compare various combinations.

※ if (a+b === a-b)

Another comparison oprators is !== the opposite of === It's means is not equal.

```
if (a !== b){
    alert("True");
}
```

Here are 4 more comparision operators, usally used to compare numbers.

$>$, greater than, $<$ less than

$>=$ greater than or equal to.

$<=$ less than or equal to.

if $(a1 > 0)$, if $(2 < 3)$

if if $(3 >= 4)$,

if $(4 <= 5)$

Chapter No : 12
if -- else and else - If statements.

If the condition tested true, something happened. If the condition tested false nothing happened.

else - if is used if all tests above have failed and you won't to test another condition.

If - else statement are a type of conditional statement that allows for the execution of different blocks of codes based on a conditions.

If - else and else - if statement are types of conditional statements. The code inside if - else

and else-it has block-level scope. meaning that variables declared inside the block are not accessible outside the block.

Syntax:

```
let x = 6;
if (x > 6) {
    console.log("x is greater");
}
else - if (x ==== 6) {
    let console.log("x is equal");
}
else {
alert("
else {
    console.log("x is less than 6");
}

(_____)
```

Chapter No. 13.
Testing sets of Conditions.

Combinations of simple conditions using logical operators (AND, OR, NOT).

AND: Return true if all conditions are true.

OR : Returns true if at least one condition is true.

NOT : Retuns the opposite of the conditions.

e.g:

```
if (weight > 30 && time < 6) {
        alert ("Come to fast")
}
```

```
if (age < 60 || age > 60 &&
    coun === "Pak") {
alert ("Correct") }
```

Chapter No. 14
If statement nested.

Nested if statement are
a progrmming construct.
that allow to test.
multiple conditions in a
hierarchical manner. They
consist of an outer if
statement that contains one
or more inner if statements.

Syntax:

```
if (a === b) {
    if (c === d) {
        alert ("corect");
    }
    else {
        alert ("True");
    }
}
else {
    alert ("false") }.
```