



Al-mustaqbal University collage

Biomedical Engineering Department

Class: First

Subject: Computer Skills & Programming

Lecture 5: CONDITIONAL SELECTION STATEMENTS

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CONDITIONAL SELECTION STATEMENTS

C++ programming language provides tow conditional selection statements. They are:

1. if statement.

2. if else statement.

1. if statement.

The if statement allows to execute an instruction or block of instructions only if the specified condition is true. It has the following syntax :

if (conditional expression)

{

Block_of_statements;

}

General Forr	n of single block selection If statement:
	if (expression or condition)
	{
	statement1;
	statement2;
	statement3;
	}

Example 1:

Write a c++ program to read any two numbers and print the largest value of it :

#include <iostream.h></iostream.h>
#include <conio.h></conio.h>
int main(){
int x,y;
cout<<"Enter any two numbers\n";
cin>>x>>y;
if(x>y){
<pre>cout<<"largest value is"<<x;}< pre=""></x;}<></pre>
getch();}

<u>output:</u>

III C:\Users\Dell\Desktop\الاكبر.exe Enter any two numbers 6 5 largest value is6

Example 2:

#include<iostream.h>

#include<conio.h>

int main(){

int x = 20;

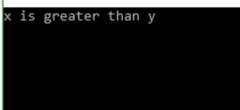
int y = 18;

if (x > y){

cout << "x is greater than y"; }</pre>

getch();}

C:\BC5\BIN\NONAME00.exe



2. if else statement.

This statement is used when we have two choices, it is written as follows:

if (condition)

{

Block1_of_statements;

}

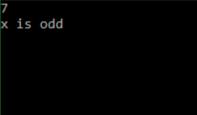
else

{ Block2_of_statements;}

```
#include<iostream.h>
#include<conio.h>
int main(){
int x;
cin>>x;
if (x %2== 0)
{
    cout << "x is even";
}
else
{
    cout << "x is odd"; }
getch();}</pre>
```

Output:





3. Else if statement.

if (condition1) {

// block of code to be executed if condition1 is true

} else if (condition2) {

// block of code to be executed if the condition1 is false and condition2
is true

} else {

// block of code to be executed if the condition1 is false and condition2
is false

}

```
int time = 22;
if (time < 10) {
   cout << "Good morning.";
} else if (time < 20) {
   cout << "Good day.";
} else {
   cout << "Good evening.";
}
```

output:

Outputs "Good evening."

Thank you