



If statement

Programming Language – C

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Programming Language - C



Instructions to
follow



Several special
expressions

Objectives

Recognize an “if” statement

Create an example using the “if” statement

Define the conditionals “and”, “or” and “not” that can be utilized in an “if” statement

If statement

If I do something

- Something else will occur

If I study hard

- I am going to pass in the test

If I work hard

- I am going to have enough money to travel in the Spring Break

Using conditionals



If I have 30
dollars **AND** I am
hungry

Buy food



If I have 30
dollars **OR** I am
hungry

Buy food



If I have 30
dollars

Buy food



If I do **NOT** have
30 dollars

Cant buy food



Syntax

```
if(condition)
    printf("Execute this line");
```

```
if(condition){
    printf("Execute this line");
}
```

```
if(condition){
    printf("Execute this line");
}else{
    printf("Execute the else line");
}
```

```
if(condition_1){
    printf("Execute the first line");
}
else if(condition_2){
    printf("Execute the second line");
}
else{
    printf("Execute the else line");
}
```

Conditionals

AND && : Just true
when both are true

OR || : Just false
when both are false

NOT ! : the opposite
of something

**Read this code. Identify the “if”
statement.
Which sentence will appear?**

```
#include <stdio.h>
int main(void){
    int variable1 = 07;
    int variable2 = 27;
    if (variable1 > 20 && variable2 < 20){
        printf("It is the if statement");
    }else{
        printf("It is the else statement");
    }
    return 0;
}
```


Answer: It is the else statement (Knowledge)

```
#include <stdio.h>

int main(void){
    int variable1 = 07;
    int variable2 = 27;
    if (variable1 > 20 && variable2 < 20){
        printf("It is the if statement");
    }else{
        printf("It is the else statement");
    }
    return 0;
}
```

-
- **Create an example using the “if” statement. (Application)**

-
- **What are the differences between the conditionals?**
 - **When is necessary to use each conditional?**
 - **Conditionals: and, or, not (Comprehensive)**



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