



# If statement

## Programming Language – C

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Instructions to  
follow



Several special  
expressions

# 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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