

## If statement

Programming Language – C

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# Programming Language - C

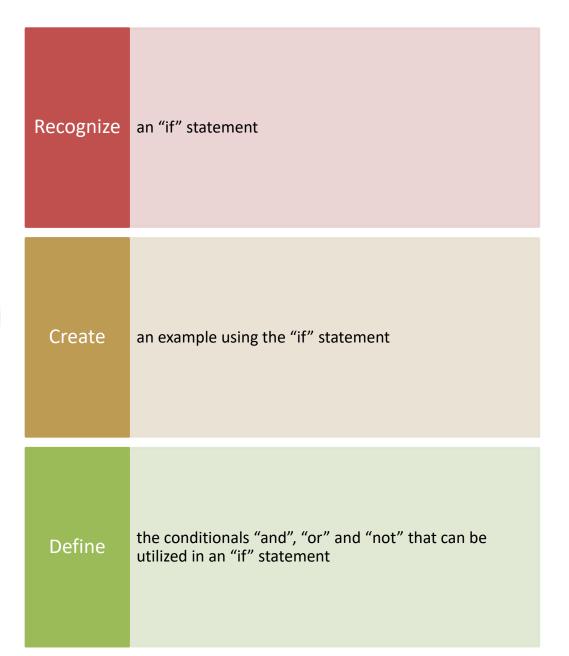


Instructions to follow



Several special expressions

# Objectives



# 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



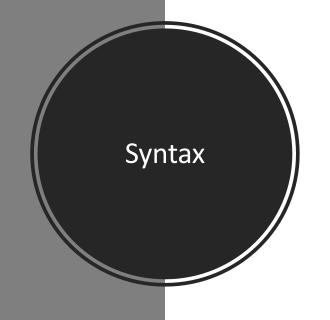
If I have 30 dollars

Buy food



If I do NOT have 30 dollars

Cant buy food



```
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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