Hack `postgres` Source Code: Vol I

Chapter 1 : C & Rust

1.1 Conditional Statements in `main.c` in `postgres`

Note: Conditional statements are changed a little bit than in `main.c`.

Cut to... classroom white board.

C:

```c
#include<stdio.h>

int
main() {

    int argc = 1;

    // Conditional check using if
    if (argc < 0) {
        printf("No args are supplied.");
    }

    // Conditional if – else
    if (argc < 0) {
        printf("No args are supplied.");
    } else {
        printf("Args are supplied.");
    }

    // Conditional if – else if – else
    if (argc == 0) {
        printf("Zero args are supplied.");
    } else if ( argc == 1) {
        printf(" One arg is supplied.");
    } else {
        printf("More than one arg is supplied.");
    }

    return 0;

}
```

Rust:

```rust
fn main() {

    let argc: i32 = 1;

    // Conditional check using if
    if argc < 0 {
        println!("{}","No args are supplied.");
    }

    // Conditional if - else
    if argc < 0 {
        println!("{}","No args are supplied.");
    } else {
        println!("{}","Args are supplied.");
    }

    // Conditional if - else if - else
     if argc == 0 {
        println!("{}","Zero args are supplied.");
     } else if  argc == 1 {
        println!("{}"," One arg is supplied.");
    } else {
        println!("{}","More than one arg is supplied.");
    }

}
```

Observations:

1. C & Rust follows same syntax. But, there is no usage of parenthesis around condition in Rust.