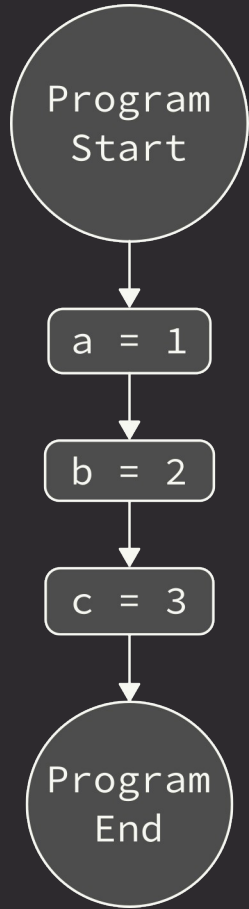


Fundamentals | Control flow using “if”

■ Execution Flow

- ◆ Code executed line-by-line
- ◆ Actions are performed & control flow may change
 - Specific conditions can change control flow
 - ▶ “if”
 - ▶ “else”
 - ▶ “else if”

Example - Simple Flow

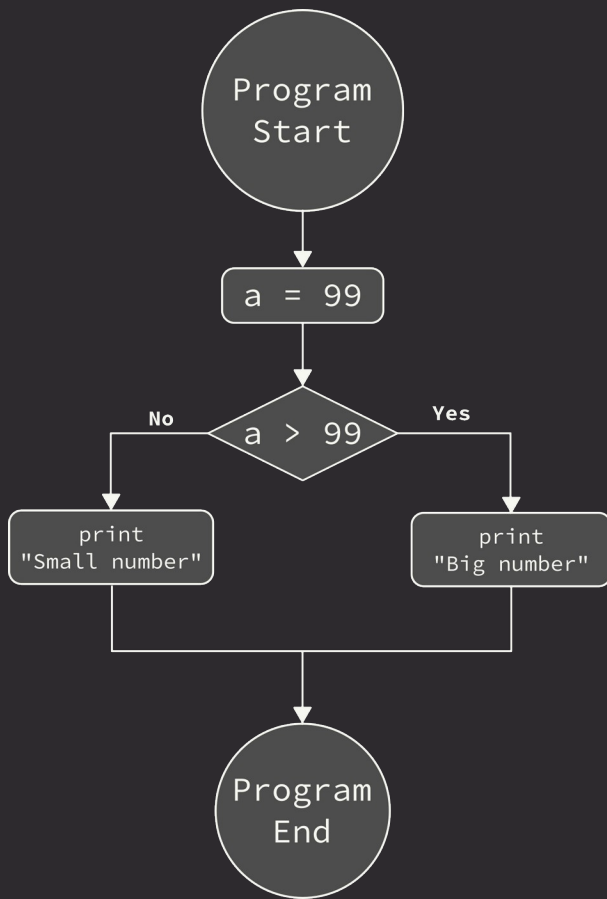


let a = 1;

let b = 2;

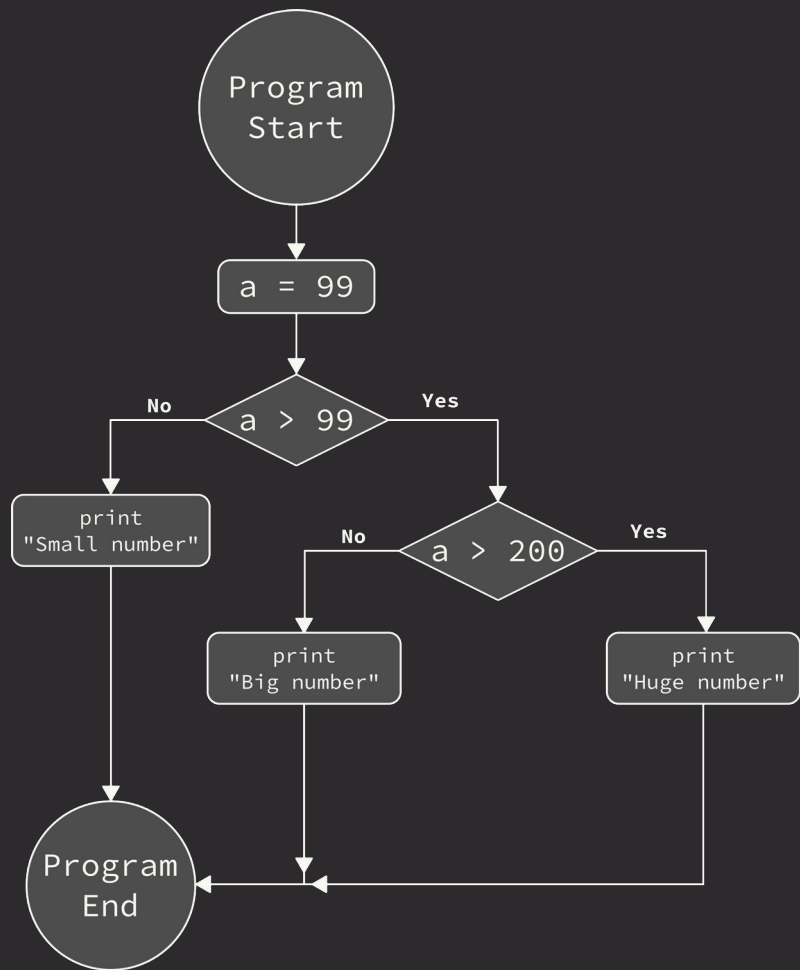
let c = 3;

Example - if..else



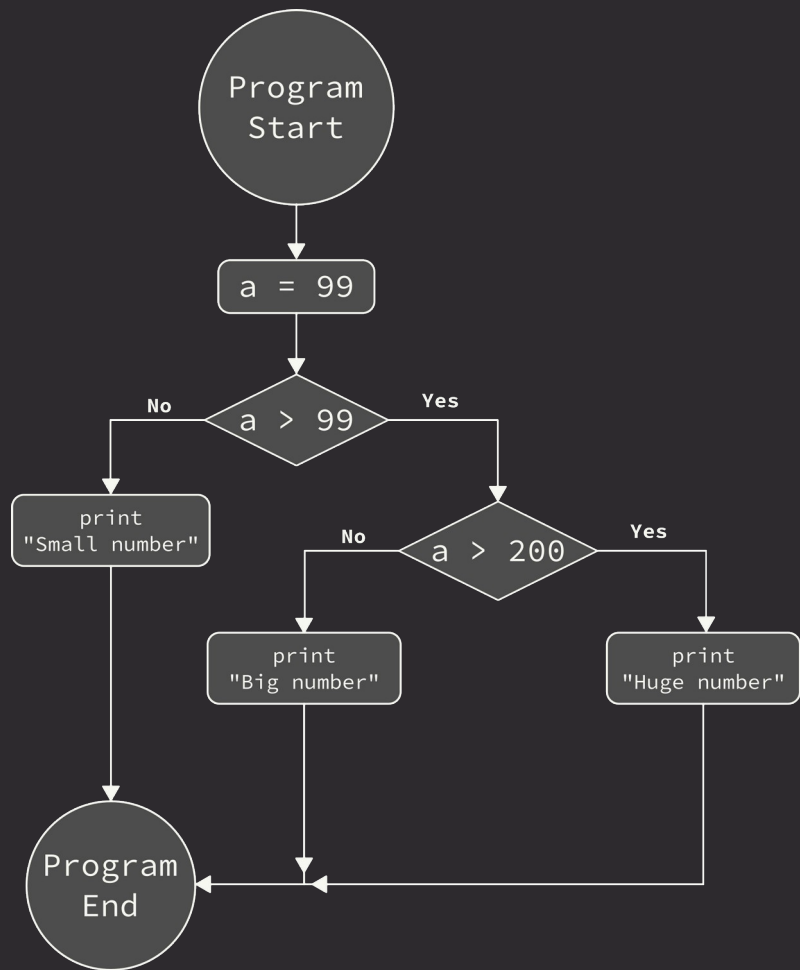
```
let a = 99;  
if a > 99 {  
    println!("Big number");  
} else {  
    println!("Small number");  
}
```

Example - Nested if..else



```
let a = 99;
if a > 99 {
    if a > 200 {
        println!("Huge number");
    } else {
        println!("Big number");
    }
} else {
    println!("Small number");
}
```

Example - if..else if..else



```
let a = 99;
if a > 200 {
    println!("Huge number");
} else if a > 99 {
    println!("Big number");
} else {
    println!("Small number");
}
```

// This will not work

```
if a > 99 {
    println!("Big number");
} else if a > 200 {
    println!("Huge number");
} else {
    println!("Small number");
}
```

■ Recap

- ◆ Code executes line-by-line
 - This can be changed using “if”
- ◆ Try to always include “else”, unless there truly is no alternative case