

Control (1A)

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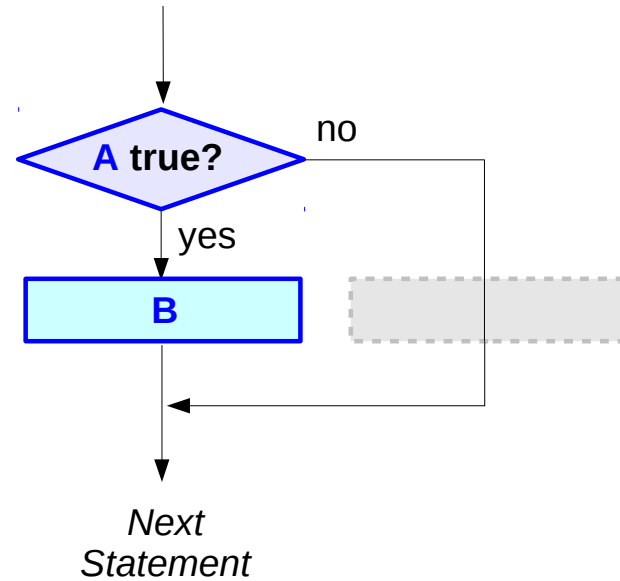
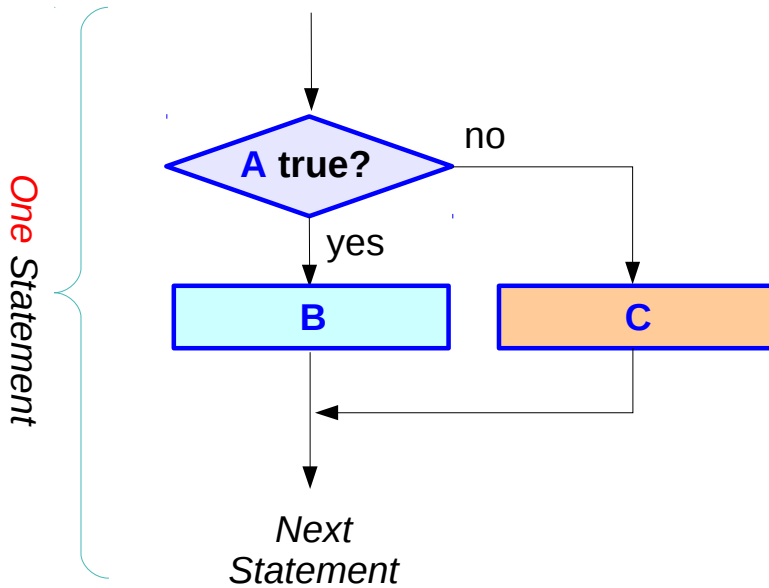
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If Statement

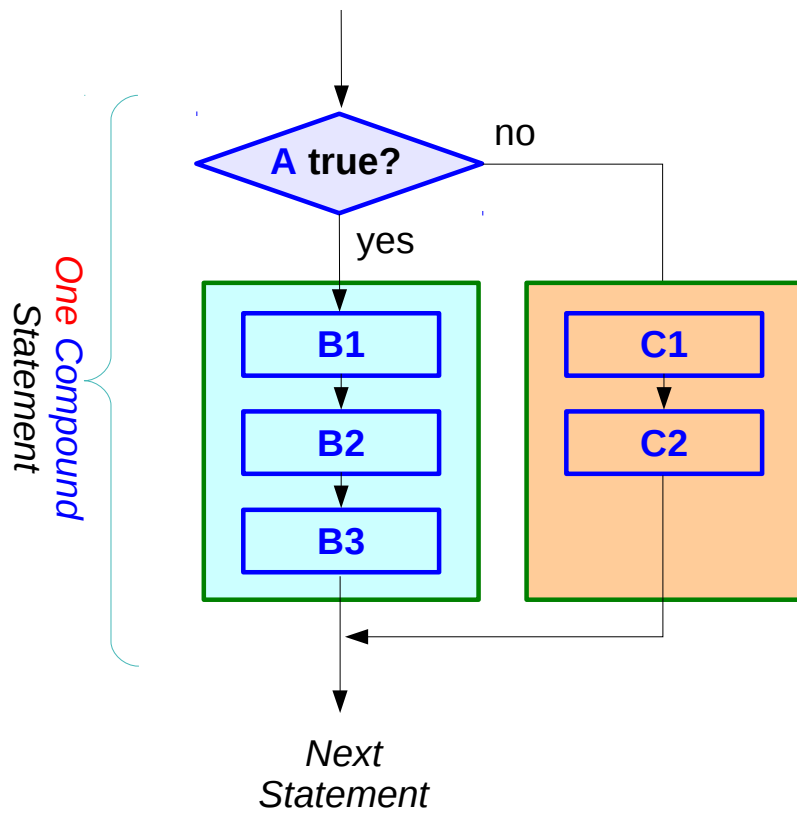
```
if A :  
    B  
else :  
    C
```

```
if A :  
    B
```

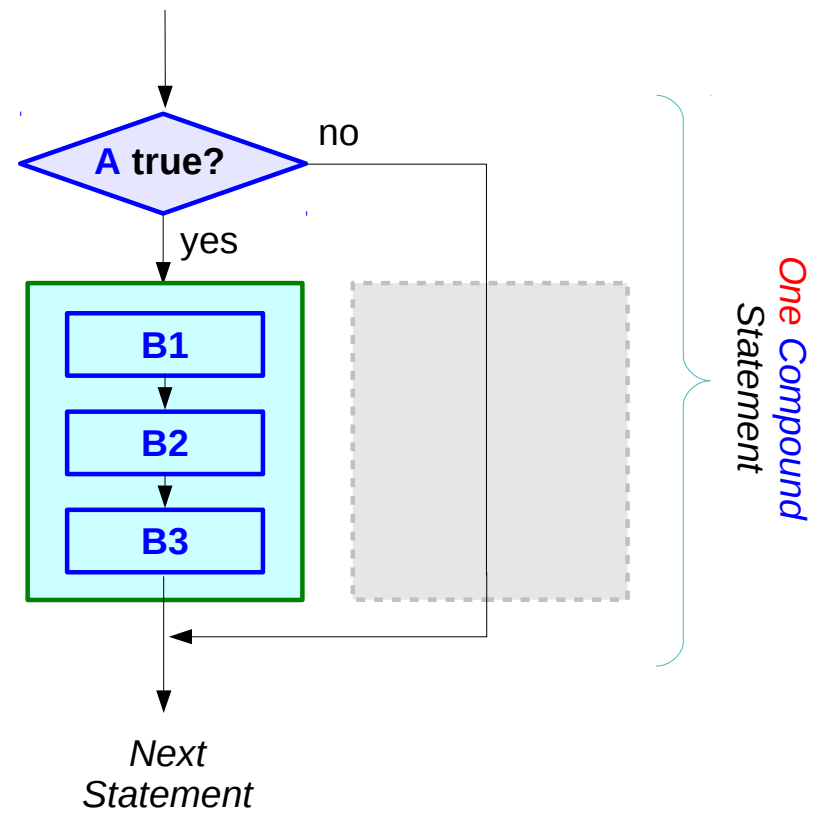


If Compound Statement

```
if A :  
    B1; B2; B3  
else :  
    C1; C2
```

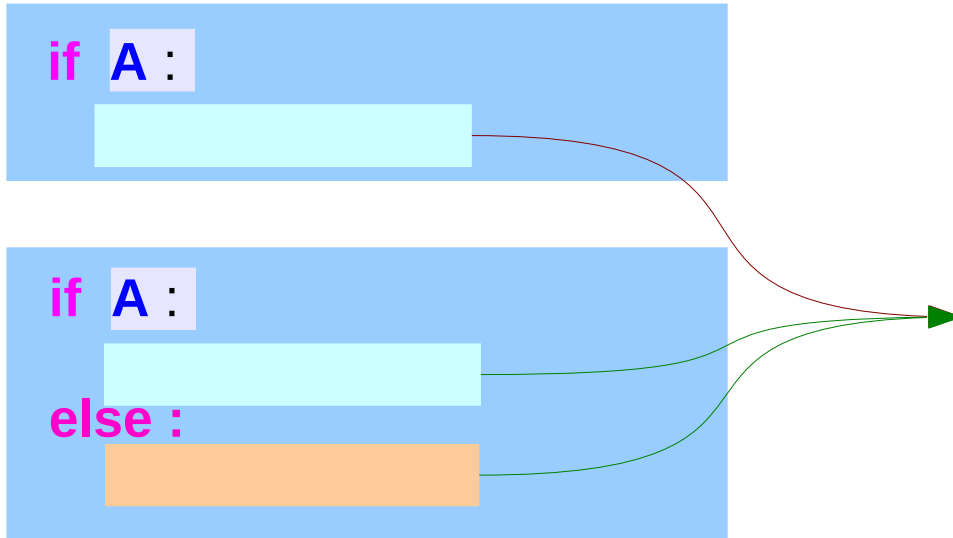


```
if A :  
    B1; B2; B3
```



Cases of **if-else** Statements (1)

Each of these if statements are treated as a **single statement**.



If clause and else clause can be

1) a single statement

```
St1;
```

2) a compound statement

```
St1; St2; St3;
```

3) a nested if statement

```
if B :
```

```
    [ ]
```

4) a nested if-else statement

```
if B :
```

```
    [ ]
```

```
else :
```

```
    [ ]
```

2-d Array

References

- [1] Essential C, Nick Parlante
- [2] Efficient C Programming, Mark A. Weiss
- [3] C A Reference Manual, Samuel P. Harbison & Guy L. Steele Jr.
- [4] C Language Express, I. K. Chun