

# Study Guide - Branching

## If statement

```
if (<boolean expression>)  
{  
    ... one or more statements executed if the boolean expression is true ...  
}
```

## If-else statement

```
if (<boolean expression>)  
{  
    ... one or more statements executed if the boolean expression is true ...  
}  
else  
{  
    ... one or more statements executed if the boolean expression is false ...  
}
```

## If-else if-else statement

```
if (<boolean expression>)  
{  
    ... one or more statements executed if the boolean expression is true ...  
}  
else if (<boolean expression>)  
{  
    ... one or more statements executed if the else-if boolean expression is true ...  
}  
else  
{  
    ... one or more statements executed if none of the above if statements were true ...  
}
```

**Reminder:** Boolean expressions are usually created using comparison operators and may include logical operators.