

# PERL IF...ELSE STATEMENT

[http://www.tutorialspoint.com/perl/perl\\_if\\_else\\_statement.htm](http://www.tutorialspoint.com/perl/perl_if_else_statement.htm)

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A Perl **if** statement can be followed by an optional **else** statement, which executes when the boolean expression is false.

## Syntax

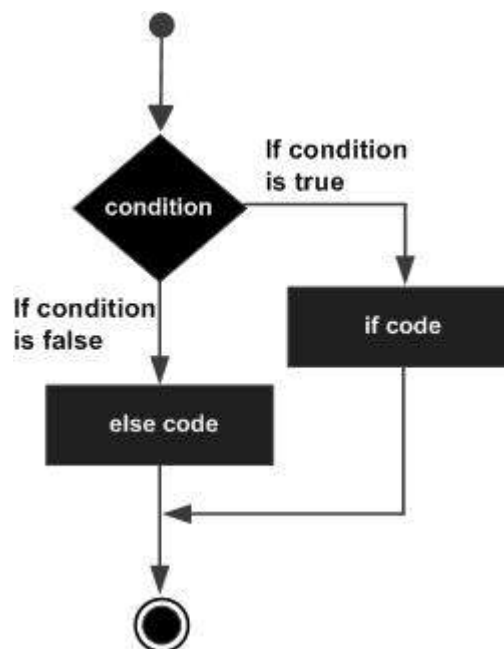
The syntax of an **if...else** statement in Perl programming language is –

```
if(boolean_expression){  
    # statement(s) will execute if the given condition is true  
}  
else{  
    # statement(s) will execute if the given condition is false  
}
```

If the boolean expression evaluates to **true**, then the **if block** of code will be executed otherwise **else block** of code will be executed.

*The number 0, the strings '0' and '', the empty list , and undef are all **false** in a boolean context and all other values are **true**. Negation of a true value by **!** or **not** returns a special false value.*

## Flow Diagram



## Example

```
#!/usr/local/bin/perl  
  
$a = 100;  
# check the boolean condition using if statement  
if( $a < 20 ){  
    # if condition is true then print the following  
    printf "a is less than 20\n";  
}  
else{  
    # if condition is false then print the following  
    printf "a is greater than 20\n";  
}  
print "value of a is : $a\n";
```

```
$a = "";  
# check the boolean condition using if statement  
if( $a ){  
    # if condition is true then print the following  
    printf "a has a true value\n";  
}else{  
    # if condition is false then print the following  
    printf "a has a false value\n";  
}  
print "value of a is : $a\n";
```

When the above code is executed, it produces the following result –

```
a is greater than 20  
value of a is : 100  
a has a false value  
value of a is :
```

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