

## Python Conditionals

Review the topic of conditionals and if statements in Python with this e-book. Check out the table of contents to navigate to each topic.

### Contents

- 1: The if statement
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## The if statement

Used to check if a conditional is **True**.

```
if <expr>:  
    <statement>
```

Conditional expression  
that will be checked

Block of code that will be executed  
if the boolean value of the  
expression is **True**.

```
if name == friend:  
    print(f"{name} is a friend")
```

```
if name == friend:  
print(f"{name} is a friend")
```

Missing indentation


```
if name = friend:  
    print(f"{name} is a friend")
```

Missing an equal sign

# The elif keyword

Used for chaining multiple if statements

Only one of the branch bodies can run: the first one to evaluate to **True**.





```
if <expr>:  
    <first_statement>  
elif <expr>:  
    <second_statement>
```

Tip: you can use more than one `elif` block

## Examples



```
name = input("Enter a name: ")  
if name == "Rolf":  
    print(f"{name} is a best friend")  
elif name == "Phil":  
    print(f"{name} is a family member")
```



```
name = input("Enter a name: ")  
if name == "Rolf":  
    print(f"{name} is a best friend")  
elif name == "Phil":  
    print(f"{name} is a family member")
```

Too much indentation in the last two lines

## Extra Resources

1. [What is an if statement?](#)
2. [What is a compound if statement?](#)

## The else keyword


Used to run a block of code if all the other if/elif statements have failed before it

We don't specify a condition with this keyword.


Tip: you can use `elif` blocks before the `else` keyword

```
if <expr>:  
    <statement>  
else:  
    <statement>
```

## Examples



```
name = "John"  
if name == "Rolf":  
    print(f"{name} is a best friend")  
elif name == "Phil":  
    print(f"{name} is a family member")  
else:  
    print(f"{name} is a stranger")
```



```
name = input("Enter a name: ")  
if name == "Rolf":  
    print(f"{name} is a best friend")  
elif name == "Phil":  
    print(f"{name} is a family member")  
else:  
    print(f"{name} is a stranger")
```

Too much indentation in the last two lines

### Extra Resources

1. [The else keyword](#)