

# Python Elif – Else If Statement

## Python Elif

Python Elif is a conditional statement in which there could be multiple conditional checks after if block.

Python elif is an extension to Python if-else statement.

### Syntax of Python elif

Following is the syntax of Python Else If, elif statement.

```
if expression_1:
    statement(s)
elif expression_2:
    statement(s)
elif expression_3:
    statement(s)
else:
    statement(s)
```

If expression\_1 evaluates to TRUE, then the if block statements gets executed and the control comes out of the if-elif ladder.

If expression\_1 evaluates to FALSE, the control checks expression\_2. If expression\_2 evaluates to TRUE, statement(s) in the corresponding block are executed. If expression\_2 evaluates to false, the control checks expression\_3 and so on.

If none of the expressions evaluates to TRUE, then the else block gets executed. else block is optional though.

### Example 1 – Python Elif Statement

In the following example, we will write a Python elif statement, where we check what is today and do an action based on the day of week.

#### example.py – Python Program

```
today='Monday'

if today=='Sunday':
    print('Do nothing.')
elif today=='Monday' or today=='Tuesday':
    print('Clean the floor.')
elif today=='Wednesday':
    print('Prepare chicken.')
elif today=='Thursday':
    print('Visit Library.')
else:
    print('Go for excercise.')
```

## Output

Clean the floor.

## Example 2 – Python Elif Statement without else block

We already know that else block is optional.

In the following example, we will write a Python elif statement without else block.

### example.py – Python Program

```
today='Monday'  
  
if today=='Sunday':  
    print('Do nothing.')
```

```
elif today=='Monday' or today=='Tuesday':  
    print('Clean the floor.')
```

```
elif today=='Wednesday':  
    print('Prepare chicken.')
```

```
elif today=='Thursday':  
    print('Visit Library.')
```

## Output

Clean the floor.

## Conclusion

In this [Python Tutorial](#), we learned Python elif statement: the syntax of elif and how to use it in Python programs with the help of example programs.

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