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# Switch Case in Python (Replacement)

Difficulty Level : Easy • Last Updated : 11 Oct, 2022



In this article, we will try to understand Switch Case in Python (Replacement).

## What is the replacement of Switch Case in Python?

Unlike every other programming language we have used before, [Python](#) does not have a switch or case statement. To get around this fact, we use [dictionary mapping](#).

### Method 1: Switch Case implement in Python using Dictionary Mapping

In Python, a dictionary is an unordered collection of data values that can be used to store data values. Unlike other data types, which can only include a single value per element, dictionaries can also contain a key: value pair.

The key value of the [dictionary](#) data type functions as cases in a switch statement when we use the dictionary to replace the Switch case statement.

## Python3

```
# Function to convert number into string
# Switcher is dictionary data type here
def numbers_to_strings(argument):
    switcher = {
        0: "zero",
        1: "one",
        2: "two",
    }

    # get() method of dictionary data type returns
    # value of passed argument if it is present
```

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## Output



zero

## **Method 2: Switch Case implement in Python using if-else**

The [if-else](#) is another method to implement switch case replacement. It is used to determine whether a specific statement or block of statements will be performed or not, i.e., whether a block of statements will be executed if a specific condition is true or not.

# Python3

```
bike = 'Yamaha'

if bike == 'Hero':
    print("bike is Hero")

elif bike == "Suzuki":
    print("bike is Suzuki")
```

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## Output

```
bike is Yamaha
```

### Method 3: Switch Case implement in Python using Class

In this method, we are using a class to create a switch method inside the python switch [class in Python](#).

## Python3

```
class Python_Switch:
    def day(self, month):

        default = "Incorrect day"

        return getattr(self, 'case_' + str(month), lambda: default)()

    def case_1(self):
        return "Jan"

    def case_2(self):
        return "Feb"

    def case_3(self):
        return "Mar"
```

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```
my_switch = Python_Switch()

print(my_switch.day(1))

print(my_switch.day(3))
```

## Output

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## Python3

```
# This code runs only in python 3.10 or above versions
def number_to_string(argument):
    match argument:
        case 0:
            return "zero"
        case 1:
            return "one"
        case 2:
            return "two"
        case default:
            return "something"

if __name__ == "__main__":
    argument = 0
    number_to_string(argument)
```

It is similar to that of switch cases in [C++](#), [Java](#), etc.

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