Officially, Python does not have a built in switch statement, you would have to use if-elif-else to go through a series of nested if statements to achieve the same type of result. Other languages do have a switch statement, making the code cleaner and easier to follow, like Java for example:

switch(X)

{

case 1: Statement if X = 1;

break;

case 2: Statement if X = 2;

break;

default: Statement if X doesn't match any

}

For python: you would have to use an if – elif tree which would evaluate if a condition is true individually, instead of putting multiple cases together:

If (X = 1):

Do This

Elif (X = 2):

Do this

So on and so on, which can get rather complicated.

Another method in Python would be to utilize dictionaries. So instead of evaluating each condition for if x = whatever, we can reverse the process and have the program look up the value of x and return with the command we want to execute depending on the value of x:

Def what\_day(value):

mySwitch = {

0: “Sunday”

1: “Monday”

2: “Tuesday”

3:”Wednesday”

4:”Thursday”

5:”Friday”

6:”Saturday”

}

Return mySwitch.get(value)

Print(what\_day(1))

With this method we can just have it look up the value (or even have commands instead of the day of the week text, and use the numerical key value as the look up, so if we entered a 1, we would get Monday as a result.

Sure not being able to technically use a switch statement in python can get messy, but also encourages more creativity to get around not having the switch available.