There are some operators that can help us for coding in python:

Scape char list:

As we know each character like n and t , r,… have the meaning that they are as a char ; but when they have used with \, they will have a function as we can see them in the table below:

|  |  |
| --- | --- |
| **Code** | **Result** |
| \' | Single Quote |
| \\ | Backslash |
| \n | New Line |
| \r | Carriage Return |
| \t | Tab |
| \b | Backspace |
| \f | Form Feed |
| \ooo | Octal value |
| \xhh | Hex value |

* Format character:
* Formatting with % Operator.

x = 'looked'

print("Misha %s and %s around"%('walked',x))

* Formatting with format() string method.

print('We all are {}.'.format('equal'))

* Formatting with string literals, called f-strings.

name **=** 'Ele'

print(f"My name is {name}.")

num **=** 3.14159

print(f"The valueof pi is: {num:{1}.{5}}")

* Formatting with String Template Class
* **from** string **import** Template
* n1 **=** 'Hello'
* n2 **=** 'GeeksforGeeks'
* n **=** Template('$n3 ! This is $n4.')

**print**(n.substitute(n3**=**n1, n4**=**n2))

* Formatting with center() string method.
* string **=** "GeeksForGeeks!"
* width **=** 30
* centered\_string **=** string.center(width)
* print(centered\_string)
* iteration in For Loop:

All type of elements that each iteration can be move on them:

1. **List:**

pythonCopy code

numbers = [1, 2, 3, 4, 5] for num in numbers: print(num)

1. **Tuple:**

pythonCopy code

colors = ('red', 'green', 'blue') for color in colors: print(color)

1. **String:**

pythonCopy code

message = "Hello" for char in message: print(char)

1. **Dictionary (Iterating over keys):**

pythonCopy code

person = {'name': 'John', 'age': 30, 'city': 'New York'} for key in person: print(key, person[key])

1. **Dictionary (Iterating over items):**

pythonCopy code

person = {'name': 'John', 'age': 30, 'city': 'New York'} for key, value in person.items(): print(key, value)

1. **Range:**

pythonCopy code

for i in range(5): print(i)

1. **Enumerate:**

pythonCopy code

fruits = ['apple', 'banana', 'cherry'] for index, fruit in enumerate(fruits): print(index, fruit)

1. **Zip:**

pythonCopy code

names = ['Alice', 'Bob', 'Charlie'] ages = [25, 30, 22] for name, age in zip(names, ages): print(name, age)