**32.What is regular expressions in python?**

**Objective:**

* To see what is regular expression and how to use it in python3.

**Process:**

* **Regular expressions**

special sequence of characters that helps you match or find other strings or sets of strings.

The module re provides full support for regular expressions in python.

* **Regular expression match():**

This function attempts to match RE pattern to string with optional flags.

* **Regular expression search():**

This function searches for first occurrence of RE pattern within string with optional flags.

**Input:**

* String.

**Output:**

* Match and search in the string using regular expressions.

**Source code:**

#Regular expression module

import re

#input string

string = "Python is a scripting language";

#initialize match object

match = re.match( r'Pythons', string, re.M|re.I)

if match:

print ("", match.group())

else:

print ("No match")

#initialize search object

search = re.search( r'Python', string, re.M|re.I)

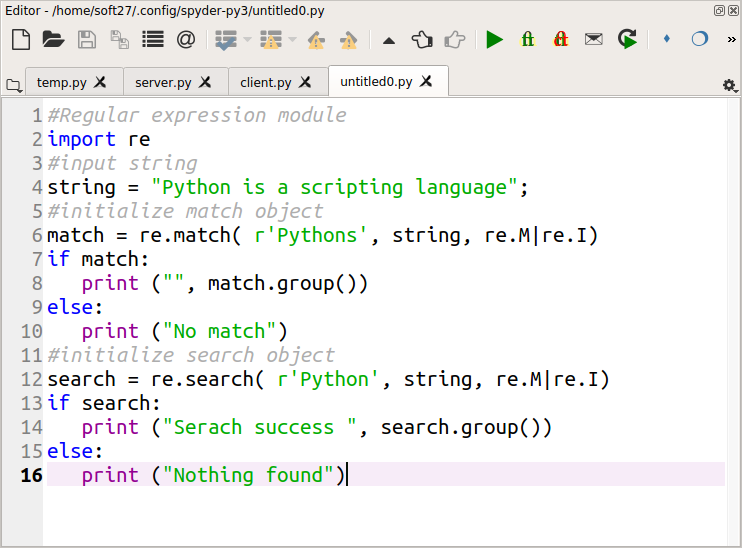
if search:

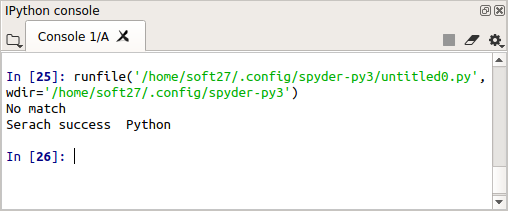
print ("Serach success ", search.group())

else:

print ("Nothing found")

**Screen shot:**

****

****