**5.What are the basic operators in python?**

**Objective:**

* To see the basic operators in python3.

**Process:**

* **Arithmetic operator.**

**Operators:**

**+ , - , \* , / , % , \*\* , //**

Used to perform basic arithmetic like addition, subtraction, multiplication, division.

* **Comparison operator.**

**Operators:**

**== , != , > , < , <= , >=**

These operators compare the values on either side of them and decide the relation among them.

These are also called as relational operators.

* **Assignment operator.**

**Operators:**

**= , += , -= , \*= , /= , %=, //=**

These operators used to assigns values from right side operands to left side operand.

* **Logical operator.**

**Operators:**

**and** Logical AND**, or** Logical OR**, not** Logical NOT.

If both the operands are true then condition becomes true.

* **Membership operator.**

**Operators:**

**in , not in**

Python’s membership operators test for membership in a sequence, such as strings, lists, or tuples.

**Input:**

* Check given number is prime or not using operators.

**Output:**

* If the number is prime then output show you that is prime.

**Source code:**

#get input from user

num=int(input("enter the number:"))

#using conditional operator

if num > 1:

#using membership operator

for i in range(2,num):

#using arithmetic and assignment operator

if (num % i== 0):

print(num,"is not a prime number")

#using arithmetic operator

print(num+2)

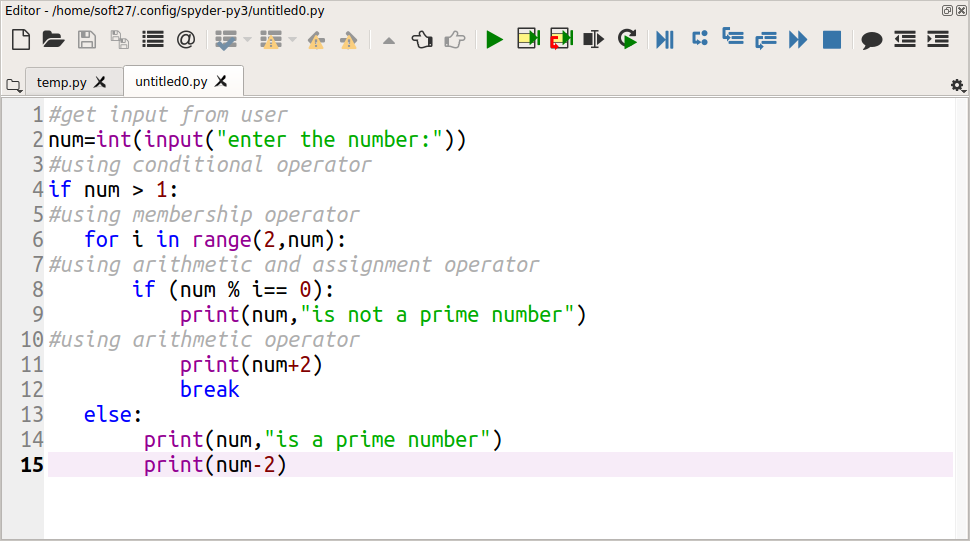
break

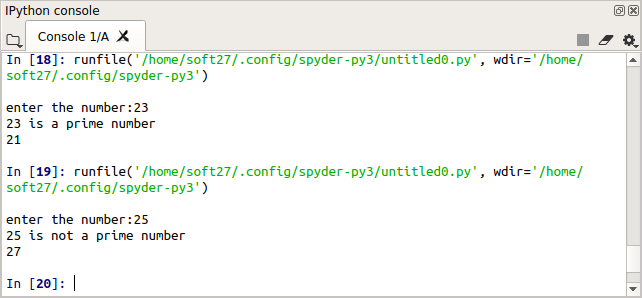
else:

print(num,"is a prime number")

print(num-2)

**Screen shots:**

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