**PYTHON NOTES 18-11-2024**

Python 3.12.3 (tags/v3.12.3:f6650f9, Apr 9 2024, 14:05:25) [MSC v.1938 64 bit (AMD64)] on win32

Type "help", "copyright", "credits" or "license()" for more information.

====== RESTART: C:/Users/rupak/OneDrive/Desktop/Python Notes 18-11-2024.py =====

x=10

type(x)

<class 'int'>

id(x)

140731575245528

x=20

print(x)

20

id(x)

140731575245848

x=x+1

x

21

id(x)

140731575245880

y=20

x-10

11

x=10

y=20

z=x+y

print("Sum of %d and %d is %d" %(x,y,z))

Sum of 10 and 20 is 30

print("The value of x is=",x)

The value of x is= 10

print("The value of x is= %d" %x)

The value of x is= 10

print("Sum of (0) and (1) is (2)".format(x,y,z))

Sum of (0) and (1) is (2)

print("Sum of (0) and (1) is (2)",format(x,y,z))

Traceback (most recent call last):

File "<pyshell#19>", line 1, in <module>

print("Sum of (0) and (1) is (2)",format(x,y,z))

TypeError: format expected at most 2 arguments, got 3

print("Sum of {0} and {1} is {2}",format(x,y,z))

Traceback (most recent call last):

File "<pyshell#20>", line 1, in <module>

print("Sum of {0} and {1} is {2}",format(x,y,z))

TypeError: format expected at most 2 arguments, got 3

x=int(input("Enter the value of x="))

Enter the value of x=

Traceback (most recent call last):

File "<pyshell#21>", line 1, in <module>

x=int(input("Enter the value of x="))

ValueError: invalid literal for int() with base 10: ''

x=int(input("Enter the value of x="))

Enter the value of x=10

y=int(input("Enter the value of y="))

Enter the value of y=20

z=x+y

z

30

x,y=[int(z) for z in input("Enter the value of x and y:").split()]

Enter the value of x and y:10 20

x,y

(10, 20)

x,y=[int(z) for z in input("Enter the value of x and y:").split(',')]

Enter the value of x and y:10,20

x,y

(10, 20)

x,y=[int(z) for z in input("Enter the value of x and y:").split(',')]

Enter the value of x and y:30,40

x,y

(30, 40)

print(x,y)

30 40

st="python"

st

'python'

st='''py'''

st

'py'

st="pyt'

SyntaxError: unterminated string literal (detected at line 1)

st[0:6:]

'py'

st='python'

st[0:6:]

'python'

st[::]

'python'

st[:5:]

'pytho'

st[2:5:]

'tho'

st[::-1]

'nohtyp'

st[::2]

'pto'

st[::3]

'ph'

st[::-2]

'nhy'

st[-2:-4:]

''

st[-2:-4:-1]

'oh'

for i inrange(1,11):

SyntaxError: invalid syntax

for i in range(1,11):

print(i)

1

2

3

4

5

6

7

8

9

10

for i in range(1,11):

print(i, end=" ")

1 2 3 4 5 6 7 8 9 10

for i in (1,11):

print(i)

1

11

for i in range(10,0,-1):

print(i, end=" ")

10 9 8 7 6 5 4 3 2 1

for \_ in range(1,6):

print(\_)

1

2

3

4

5

============== RESTART: C:/Users/rupak/OneDrive/Desktop/Python Notes 18-11-2024.py =============

Enter the number of terms: 10

0 1 1 2 3 5 8 13 21 34

============== RESTART: C:/Users/rupak/OneDrive/Desktop/Python Notes 18-11-2024.py =============

Enter the number: 7

The number is Prime.

============== RESTART: C:/Users/rupak/OneDrive/Desktop/Python Notes 18-11-2024.py =============

Enter the number: 8

The number is Not Prime.

n=10

i=1

n=0

while(i<=n):

n=n+i

i=i+1

print(n)

0