**2.What are the basic Data types in python?**

**Objective:**

* To see the different kinds of data types in python.

**Process:**

* **Python numbers**

**Integer(int).**

It stores numeric values.

**Float(float).**

It stores the decimal point values.

* **Python strings**

**Single quoted.**

String is set of characters represented in ‘ ‘ single quotation.

**Double quoted.**

String is set of characters represented in “ ” single quotation.

* **Python Lists.**

List is a collection of elements,which is ordered and changeable.

Python lists are written with square brackets[].

* **Python Tuples.**

Tuples is a collection of elements,which is ordered and unchangeable.

Python tuples are written with round brackets.()

* **Python set.**

Set is a collection which is unordered and unindexed.

Python sets are written with curly brackets.{}

* **Python Dictionary.**

It used to store key:value pair of data.

Key may be a string and value may be a string.

**Input:**

* Sample code using data types in python.

**Output:**

* Kinds of data types in python.

**Source code:**

#integer type

salary=10000

#float type

rating=5.4

#single quoted string

string1='sathish'

#double quoted string

string2="kumar"

#python list

list1=['sathish','sangeetha','venkat','sheela','sudhakar',23,24,25,22,21]

#python tuple

tuple1=('sathish','sangeetha','venkat','sheela','sudhakar',

23,24,25,22,21)

#python set

set1={'sathish','sangeetha','venkat','sheela','sudhakar',23,24,25,22,21}

#python dictionary

dict1={'sathish':23,'sangeetha':22,'venkat':24,'sheela':26,'sudha kar':25}

#print the types of data types.

print(type(salary))

print(type(rating))

print(type(string1))

print(type(string2))

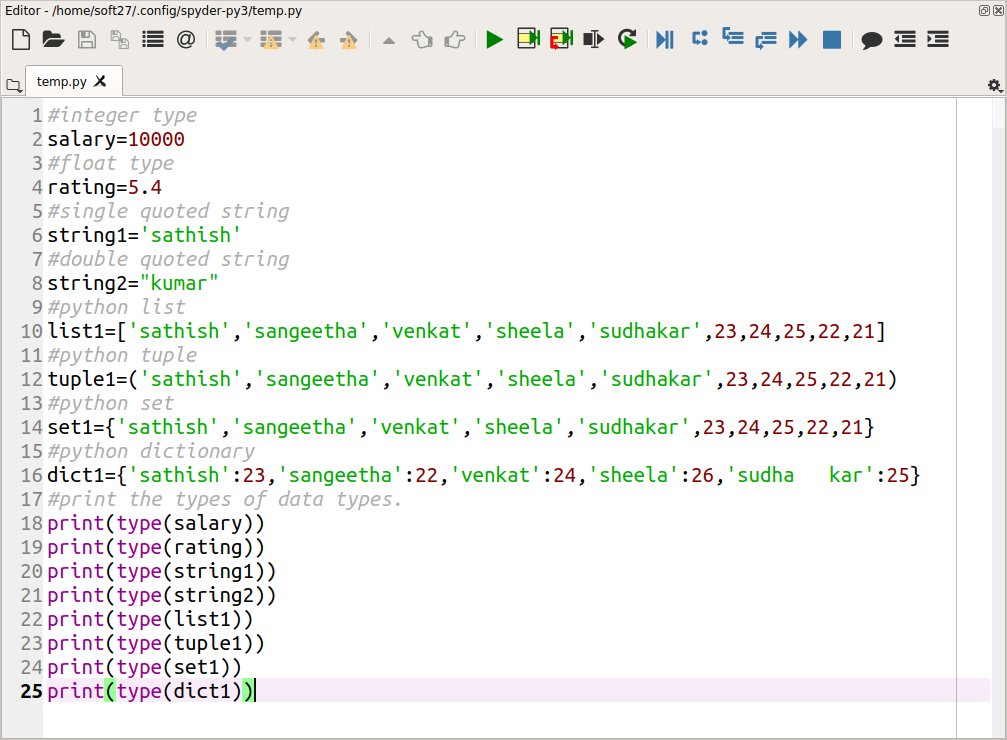
print(type(list1))

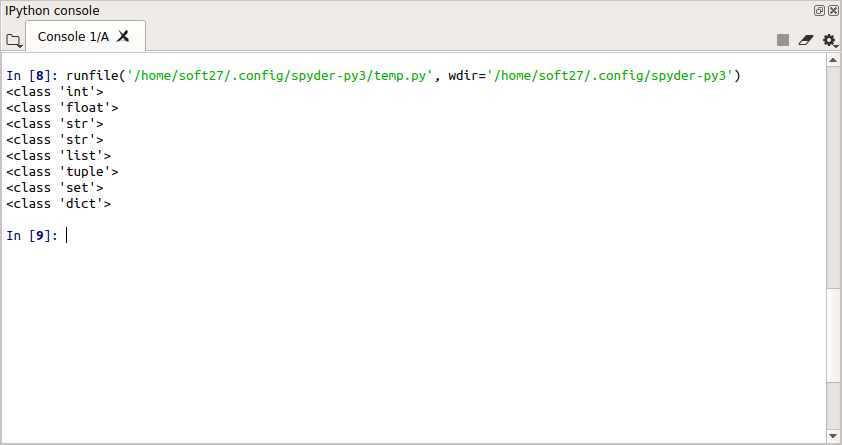
print(type(tuple1))

print(type(set1))

print(type(dict1))

**Screen shot:**

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