BUILT-IN DATA TYPES IN PYTHON (2022BIT018)

numeric

sequence

1) string

```
anushka-patil@anushka-patil-1-0:-$ python3
Python 3.11.6 (main, Apr 10 2024, 17:26:07) [GCC 13.2.0] on linux
Type "help", "copyright", "credits" or "license" for more information.
>>> string = "anushka"
>>> string['anushka'
>>> string[1]
'n'
>>> string[-1]
'a'
>>> string[-2]
'k'
>>> str="hello"
>>> str
'hello'
>>> quit()
anushka-patil@anushka-patil-1-0:-$
```

2)list

```
anushka-patil@anushka-patil-1-0: ~
anushka-patil@anushka-patil-1-0:-$ python3
Python 3.11.6 (main, Apr 10 2024, 17:26:07) [GCC 13.2.0] on linux
Type "help", "copyright", "credits" or "license" for more information.
>>> list =["myself", "anushka"]
>>> list[]
File "crtdips" line 1
    File "<stdin>", line 1
         list[]
 SyntaxError: invalid syntax
SyntaxError: invalid syntax
>>> list
['myself', 'anushka']
>>> list[6]
Traceback (most recent call last):
   File "<stdin>", line 1, in <module>
IndexError: list index out of range
>>> list[-1]
'anushka'
 'anushka
>>> list[0]
'myself'
>>> list[1]
 'anushka
 >>> l=[hello]
File "<stdin>", line 1, in <module>
NameError: name 'hello' is not defined. Did you mean: 'help'?
>>> l=["hello"]
>>> [3]
Traceback (most recent call last):
File "<stdin>", line 1, in <module>
IndexError: list index out of range
>>> l[0]
'hello'
>>> l[-1]
'hello'
 >>> quit()
anushka-patil@anushka-patil-1-0:~$
```

3)tuple

```
anushka-patil@anushka-patil-1-0:-$ python3
Python 3.11.6 (main, Apr 10 2024, 17:26:87) [GCC 13.2.0] on linux
Type "help", "copyright", "credits" or "license" for more information.
>>> tuple=('hey', 'anu')
>>> tuple=(|a,3)
>>> list=[1,2]
>>> tuple=1(0)
1
>>> quit()
anushka-patil@anushka-patil-1-0:-$
```

3)boolean

4)set

5)dictionary

```
anushka-patil@anushka-patil-1-0:-$ python3

Python 3.11.6 (main, Apr 10 2024, 17:26:07) [GCC 13.2.0] on linux

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

>>> dict={}

>>> Dict={'hii', 'pythyon', 'here'}

>>> Dict
{'here', 'pythyon', 'hii'}

>>> Dict1=dict

>>> Dict1
{}

**Invalidation of the line of
```