In [1]:
```
#Q1
```

In [3]:
```
#comment-comments in python is the inclusion of short descriptions along with the c
```

In [ ]:
```
#EX-
# This comment will be  ignored by the interpreter.There are different types
of comments such as 1)singleline 2)multiline 3)docstring
```

#Single line:- single line comment begin with the # character Ex-#defining general structure of car #Multi line:- The first way by using at # at beginning of each line.Second by using string literals you can use a single quotation and double quotation ex-#this is my name ""my name is prakhar"" 3)Docstring- they are written in the first line after defining a module,function,method by using three quotation marks. EX:-"""this is the general Description""" Q2 Ans- Variables is a name that is used to refer to memory location.Python variables also known as identifier and used to hold values. variable name can be group of both the letters and digits,but they have to begin with a letter or underscore. Declaring and assigning values:- The Equal (=) operator is used to assign value to a variable. EX of Valid variable name such as:- name="devyansh" age=20 marks=80.50 n_a_m_e="E" _name="f" na56me="I" Q3 Ans- Type conversion is the process of converting one type to another data type.

In [4]:
```
#EX Implicit type conversion
a=5
print(type(a))
b=4.56
print(type(b))
```

```
<class 'int'>
<class 'float'>
```

In [5]:
```
#EX Explicit type conversion means user convert one type to another dta type accord
a=10
#converting no to string
s=str(a)
print(s)
print(type(s))
```

```
10
<class 'str'>
```

In [6]:
```
s='50'
# converting string to number
n=int(s)
print(n)
print(type(s))
```

```
50
<class 'str'>
```

Q4 Ans- 1)Using the python command

python first_script.py Hello World!

2)Redirecting output:- you can redirect the output of your stream to some other file format instead of the standard system output. python first_script.py>output.txt

3)Running the module with the -m option:- A module is the file that contains the python code.python -m<module-name>

4)Using Script Filename:- c:/users/local/python/python37>first_Script.py

In [ ]:
```
5)Using Import
6)Using importlib
```

In [11]:
```
#Q5

my_list=[1,2,3,4,5]
print(my_list[1:3:1])
```

```
[2, 3]
```

Q6

Complex number:- An complex number is represented by "x+yi".The real part can be accessed using the function real() and imaginiary part can be represented by imag().

In [12]:
```
f=5+4j
type(f)
```

Out[12]:
```
complex
```

In [15]:
```
f.real
```

Out[15]:
```
5.0
```

In [17]:
```
#Q7
named_Age=25
named_Age
```

Out[17]:
```
25
```

In [19]:
```
#Q8)

price=9.99
type(price)
```

Out[19]:
```
float
```

In [23]:
```
#Q9
name="PRAKHAR"
print(name)
```

```
PRAKHAR
```

In [42]:
```
#Q10
string="hello,World!"
print(string[6:11:])
```

```
World
```

In [47]:
```
#Q11
is_student=True
print(is_student)
```

```
True
```

In [ ]:
```

```