Variabels

In [1]:
```
va =9
va
```

Out[1]: 9

In [2]:
```
id(va) # (memory )variable address of the object
```

Out[2]: 140728992619192

In [3]:
```
1nit = 18
1nit
```

```
  Cell In[3], line 1
    1nit = 18
    ^
SyntaxError: invalid decimal literal
```

In [ ]:
```
#veriable never starts with digit but can end
```

In [ ]:
```
nit1 = 18
nit1
```

In [ ]:
```
nit2=19
NIT1
```

In [ ]:
```
# variable is case sensitive
#special charecter is not allowed except _
```

In [ ]:
```
nit$=1
nit$
```

In [ ]:
```
v_=90
```

In [ ]:
```
v_
```

In [ ]:
```
import keyword
keyword.kwlist
```

In [ ]:
```
len(keyword.kwlist)
```

In [ ]:
```
#keyword can not be variable as they r predefined
```

In [ ]:
```
for = 1
for
```

In [ ]:
```
For = 1
For
```

In [ ]:
```
a= 5
b=9
c=4

a
b
c
```

In [ ]:
```
print (a)
print (b)
print(c)
```

In [ ]:
```
#print is used for multiple variables
```

In [ ]:
```
import sys
sys.version
```

In [ ]:
```
# = comment
```

In [ ]:
```
# oops  = object orientrd programming language
```

In [ ]:
```
a=10
a
```

In [ ]:
```
a = 20
a
```

In [ ]:
```
# next line override previous line
```

In [ ]:
```
#ide = integrated development environment = write code , run code , debug t
#jupiter ide
#vscode ide
```

In [ ]:
```
# interpreter = run code line by line
# compiler =entire code run at once
```

Data types

In [ ]:
```
# variable names = value
a = 10
# type ( a ) ----int
#values r called data types
f =10.3 __f==float
```

```
# python data types
    # 1.int
    # 2.float
    # 3.string
    # 4.bool
    # 5.complex)
```

In [ ]:
```
# INTEGER DATATYPES
```

In [ ]:
```
i=45
i
```

In [ ]:
```
print(i)
print(type(i))
```

In [ ]:
```
#float data types
petrol=110.56
petrol
```

In [ ]:
```
print(petrol)
print(type(petrol))
```

In [ ]:
```
i1,i2 = 12 ,
```

In [ ]:
```
2 variabels , one value = error
```

In [ ]:
```
i1,i2=12,88
print (i1)
print (i2)
```

In [ ]:
```
print(i1+i2)
```

In [ ]:
```
print (i1+2)
```

In [ ]:
```
#string datatypes
s=nareshit
```

In [ ]:
```
s = 'nareshit'
type(s)
```

In [ ]:
```
s1="nareshit"
```

In [ ]:
```
s1
```

In [ ]:
```
s2='''naresh it is located
in hyderabad , ammerpet '''
```

In [ ]:
```
s2
```

In [ ]:
```
#str
#for single line '   ' and "   "
#for multiple line '''    '''
# string is text assigened to a variable
#string indexing
#forward indexing = left to right (begins with 0)
#backward indexing = right to left (begins with -1)
#n=n-1
```

In [ ]:
```
#slicing
```

In [ ]:
```
s='narshit'
print(s[0])
print(s[-1])
print(s[2:5])
```

ptint s[0] print s[-1] print s[2:5}

In [ ]: