Variables

In [1]:
```
Age = 22
print(Age)
```

```
22
```

In [2]:
```
name = 'Janhavi'
print(name)
```

```
Janhavi
```

In [3]:
```
is_active = True
print(is_active)
```

```
True
```

In [4]:
```
a =12
b =6
print(a+b)
```

```
18
```

In [5]:
```
first_name = 'Janhavi'
last_name = 'Landge'
full_name = first_name+'  '+last_name
print(full_name)
```

```
Janhavi  Landge
```

In [6]:
```
length= 30
width= 35
area=length*width
print(area)
```

```
1050
```

In [7]:
```
type(area)
```

Out[7]:
```
int
```

In [8]:
```
f=12.34
type(f)
```

Out[8]:
```
float
```

In [9]:
```
f=1e0
f
```

Out[9]:
```
1.0
```

In [10]:
```
f=1e2
f
```

Out[10]: 100.0

In [11]:
```
f=1e3
f
```

Out[11]: 1000.0

In [12]:
```
f=1e4
f
```

Out[12]: 10000.0

In [13]:
```
s="Welcome to Nagpur"
type(s)
```

Out[13]: str

In [14]:
```
c=5+10j
d=10+20j
sum=c+d
print(sum)
```

(15+30j)

In [15]:
```
type(sum)
```

Out[15]: complex

In [16]:
```
c.real
```

Out[16]: 5.0

In [17]:
```
c.imag
```

Out[17]: 10.0

In [18]:
```
print(d-c)
```

(5+10j)

In [19]:
```
a=True
type(a)
```

Out[19]: bool

In [20]:
```
print(a+b)
```

7

In [21]:
```
a =7
b =9
print(a+b)
```

```
16
```

In [22]:
```
print("Python is a high level programming Language")
```

```
Python is a high level programming Language
```

In [23]:
```
num1=30
num2=10
print(num1+num2)
print(num1-num2)
print(num1//num2)
```

```
40
20
3
```

In [24]:
```
a=30
b=40
add=a+b
print("the addition of",a,"and",b,"is",add)
```

```
the addition of 30 and 40 is 70
```

In [25]:
```
name= 'Janhavi'
job= 'Data Science engineer'
city= 'Hyderabad'
print('HELLO EVERYONE!!\nMy name is',name,'working as',job,'living in',city,'.
```

```
HELLO EVERYONE!!
My name is Janhavi working as Data Science engineer living in Hyderabad .
```

Print Format Method

In [26]:
```
num1 = 15
num2 = 17
add = num1+num2
print('the addition of {} and {} is {}'.format(num1,num2,add))
```

```
the addition of 15 and 17 is 32
```

In [27]:
```
f1="Ketki"
f2="Jidynyasa"
f3="prachi"
print("while going to market,I saw {}.\nWe had coffee together.\nThen I met {}
```

```
while going to market,I saw prachi.
We had coffee together.
Then I met Jidynyasa in the shopping mall.
At last while returning back to home I met Ketki
```

In [30]:
```
n1=22
n2=30
n3=40
avg=(n1+n2+n3)/3
avg1=round((avg),2)
print('the average of {},{} and {} is {} or {}'.format(n1,n2,n3,avg,avg1))
```

```
the average of 22,30 and 40 is 30.666666666666668 or 30.67
```

In [31]:
```
name= 'Janhavi'
city='Hyderabad'
age=22
print(f"hello!! My name is {name} and my age is {age} and am staying in {city}")
```

```
hello!! My name is Janhavi and my age is 22 and am staying in Hyderabad
```

Combine All

In [32]:
```
n1=10
n2=20
add=n1+n2
print("the sum of",n1,"and",n2,"is",add)
print('the sum of {} and {} is {}'.format(n1,n2,add))
print(f'the sum of {n1} and {n2} is {add}')
```

```
the sum of 10 and 20 is 30
the sum of 10 and 20 is 30
the sum of 10 and 20 is 30
```

End statment

In [33]:
```
print('hello world')
print('good morning')
```

```
hello world
good morning
```

In [34]:
```
print("hello world",end="!!!")
print('good morning')
```

```
hello world!!!good morning
```

Separator

In [35]:
```
print("hi","how are you","I am fine",sep="  ")
```

```
hi  how are you  I am fine
```

In [36]:
```
print("hi","how are you","I am fine",sep="\n")
```

```
hi
how are you
I am fine
```

In [38]:
```
print("hi","how are you","I am fine",sep=" & ")
```

```
hi & how are you & I am fine
```

In [2]:
```
price = 19.9
print(price)
```

```
19.9
```

In [3]:
```
is_active=True
print(is_active)
```

```
True
```

In [4]:
```
first_name = "Janhavi"
last_name = "Landge"

full_name = first_name + " " + last_name
print(full_name)
```

```
Janhavi Landge
```

In [5]:
```
length = 10
width = 20
area =    length *width
print(area)
```

```
200
```

In [2]:
```
# Variables in Python

first_name = 'Janhavi'
last_name = 'Landge'
country = 'India'
city = 'Mahrashtra'
age = 22
is_married = False
skills = ['Python', 'Machine Learning', 'Deep Learning', 'SQL', 'Power Bi']
person_info = {
    'firstname':'Janhavi',
    'lastname':'Landge',
    'country':'India',
    'city':'Nagpur'
    }
```

In [3]:
```
# Printing the values stored in the variables

print('First name:', first_name)
print('First name length:', len(first_name))
print('Last name: ', last_name)
print('Last name length: ', len(last_name))
print('Country: ', country)
print('City: ', city)
print('Age: ', age)
print('Married: ', is_married)
print('Skills: ', skills)
print('Person information: ', person_info)
```

```
First name: Janhavi
First name length: 7
Last name:  Landge
Last name length:  6
Country:  India
City:  Mahrashtra
Age:  22
Married:  False
Skills:  ['Python', 'Machine Learning', 'Deep Learning', 'SQL', 'Power Bi']
Person information:  {'firstname': 'Janhavi', 'lastname': 'Landge', 'countr
y': 'India', 'city': 'Nagpur'}
```

In [4]:
```
# Declaring multiple variables in one line

first_name, last_name, country, age, is_married = 'Janhavi', 'Landge', 'India'

print(first_name, last_name, country, age, is_married)
print('First name:', first_name)
print('Last name: ', last_name)
print('Country: ', country)
print('Age: ', age)
print('Married: ', is_married)
```

```
Janhavi Landge India 22 False
First name: Janhavi
Last name:  Landge
Country:  India
Age:  22
Married:  False
```

In [ ]:
```

```