# Python Ka Chilla Started

In [2]:
```
name= input("what is your name ? ")
age = input ("How old are you ? ")
greetings= "hello !"
print(greetings,name ,", Mazy kar abi b jawan ha tu")
```

```
what is your name ? Asfand
How old are you ? 18
hello ! Asfand , Mazy kar abi b jawan ha tu
```

In [5]:
```
#condiional operators
age =20
age1 = input ("what is your age ?")
age1= int(age1)
print(age1==age)
```

```
what is your age ?20
True
```

In [9]:
```
###             chapter 8
## implicite and explicite conversion
##implicit conversion:: convertion due to operation of multi,add,sub,divi,or inputing
a=1
b=2.1
print(a+b,"type is : ",type(a+b))
age=input ("what is your age !! ")
print(age,"type of age is ",type (age))
```

```
3.1 type is :  <class 'float'>
what is your age !! 1
1 type of age is  <class 'str'>
```

In [12]:
```
# explicite convetion
a= input ("what is age !!")
print(a,"type of age is ",type (a))
a=int(a)
print(a,"type of age is ",type (a))
### dont try to convert float number to int it will through an error
```

```
what is age !!12
12 type of age is  <class 'str'>
12 type of age is  <class 'int'>
```

In [16]:
```
###               chapter 9
# if_else_elif
hammad_age =15
required_age =10
if hammad_age == required_age:
    print ("hammad can join the school")
elif hammad_age>required_age:
    print("hammad can join high school")
else:
    print ("hammad is young ,cant join school")
```

```
hammad can join high school
```

In [19]:
```
####             chapter 10
# functions
#1 way
def cods():
    print("Hello")
    print("Hello")
    print("Hello")
cods()
```

```
Hello
Hello
Hello
```

In [20]:
```
# 2 way
def cods():
    text="Hello"
    print(text)
cods()
```

```
Hello
```

In [22]:
```
# 3 way
def cods(text):
    print(text)
    print(text)
    print(text)
cods("G boss")
```

```
G boss
G boss
G boss
```

In [24]:
```
# 4 way
required_age =10
def cods (age):
    if hammad_age == required_age:
        print ("hammad can join the school")
    elif hammad_age>required_age:
        print("hammad can join high school")
    else:
        print ("hammad is young ,cant join school")
cods(12)
```

```
hammad can join high school
```

In [30]:
```
# 5 way
cage=14
def future_age(cage):
    new_age=cage+3
    return new_age
predicted=future_age(cage)
print(predicted)
```

```
17
```

In [33]:
```
###                   Chapter 11
# LOOPS
x=0
while (x<=5):
    print(x)
    x=x+1
```

```
0
1
2
3
4
5
```

In [37]:
```
# For Loop
a=["mon","tue","wed","thur","fri","sat","sun"]
for d in a:
    if (d=="fri"):
        break     #to break the loop when fri occurs
    print(d)
```

```
mon
tue
wed
thur
```

In [39]:
```
# For Loop
a=["mon","tue","wed","thur","fri","sat","sun"]
for d in a:
    if (d=="fri"):
        continue     #to skip when fri occurs
    print(d)
```

```
mon
tue
wed
thur
sat
sun
```

In [42]:
```
###                         Chapter 12
# import liberaries
#math ,statistics etc
import math as m
print (m.pi)

import statistics as s
a=[1,2,3,4,5,6,7]
print (s.mean(a))
```

```
3.141592653589793
4
```

# Indexes

In [48]:
```
a="samosa pakora"
a[-1]
```

Out[48]:
```
'a'
```

In [50]:
```
a[-5:-1]
```

Out[50]:
```
'akor'
```

In [52]:
```
len(a)
```

Out[52]:
```
13
```

# Strings

In [58]:
```
# capitalize every alpha
food="baryani"
food.upper()
food.lower()
```

Out[58]:
```
'baryani'
```

In [61]:
```
#replacing the elements
food.replace("bar","sh")
```

Out[61]:
```
'shyani'
```

In [64]:
```
# counting alphabet in string
food.count("a")
```

Out[64]:
```
2
```

In [67]:
```
food ="i love pakora,samosa,baryani,karahi"
food.split(",")
```

Out[67]:
```
['i love pakora', 'samosa', 'baryani', 'karahi']
```

# Tuples !!

In [89]:
```
tup1=(1,"pythons",2.5,False)
tup1
```

Out[89]:
```
(1, 'pythons', 2.5, False)
```

In [104…
```
#last element is exclusive
```

```
tup1=[1,"pyths",2.5,False]
tup1[0]=2
print(tup1)

tup1=(1,"pyths",2.5,True)
tup1=(1,"pythons",2.5,False)
print(tup1)

name='haris'
print(name)
name='ahmed'
print(name)
```

```
[2, 'pyths', 2.5, False]
(1, 'pythons', 2.5, False)
haris
ahmed
```

In [87]:
```
len(tup1)
```

Out[87]:
```
4
```

In [88]:
```
print(type(tup1))
```

```
<class 'tuple'>
```