```
from flask import Flask
app = Flask(__name__)

@app.route('/')
def hello_world():
    return "Hello all i'M james jacobraj"

if __name__ == '__main__':
    app.run()
```

```
Python 3.9.7 (tags/v3.9.7:1016ef3, Aug 30 2021, 20:19:38) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>> a=10
>>> print (id(a))
2134276663888
>>> b=73.3
>>> print(type(b))
<class 'float'>
>>> #multiple variable
>>> a,b,c=30,10,20
>>> print(a)
30
>>> print(b)
10
>>> print(c)
20
>>> # delete values
```

>>> del a >>> prin(a)

prin(a)

Traceback (most recent call last):

File "<pyshell#11>", line 1, in <module>

NameError: name 'prin' is not defined

```
Calculator Program in Python
def add(x, y):
return x + y
def subtract(x, y):
return x - y
def multiply (x, y):
  retum x * y
def divide(x,y):
       retum x/y
 print("Select operation.")
print("1.Add")
print("2.Subtract")
print("3.Multiply")
print("4.Divide")
  choice = input("Enter choice(1/2/3/4):")
 f choice in (1, '2, '3, '4):
num1 = float(input('Enterfirst number: '))
num2 = float(input('Enter second number: '))
  if choice == "1":
                 print(num1, "+", num2, "=", add(num1, num2))
  elf choice == 2':
print(num1, "-", num2, "=", subtract(num1, num2))
 elf choice == 3':
print(num1, "*", num2, "=", multiply(num1, num2))
   elf choice == '4'
                print (num1, "/", num2, "=", divide (num1, num2))
                print("Invalid Input")
  Concatenation in python
  str1="Hello"
 str2="World"
print ("String 1:",str1)
print ("String 2:",str2)
str=str1+str2
   print("Concatenated string is ",str)
  Reverse a string in python
str = "IBM"

print ("The original string is ",str)

reverse_String = ""

count = len(str)

while count > 0:

reverse_String += str[ count - 1]
  count = count - 1
print ("The reversed string is ",reverse_String)
  Sice a string in python
  String='IBMC'bud
  s1 = sice(3)
s2 = sice(-5,-1)
 print(String[s1])
print(String[s2])
  List operations in Python
 f_name_ == '_main_':
N = int(input())
    | name, == _main. |
| name, == _main. |
| n=int(input()) |
| m=ins(t) |
| m=ins(t) |
| m=ins(t) |
| method*!=input().split() |
| k=int(map(int)) |
| ifen(k)==2 |
| q=ik[0] |
| w=ik[1] |
| elif len(k)==1: |
| q=ik[0] |
| if method == insert : |
| m. insert(q[0],w[0]) |
| elif method == append: |
| m. penove(q[0]) |
| elif method == remove : |
| m. remove(q[0]) |
| elif method == reverse : |
| m. reverse() |
| elif method == pop : |
| m. pop() |
| elif method == sort : |
| m. sort() |
| m.
  m.sort()
for iin range (N):
print(m[i])
   Why is Python a popular programming language?
  It uses a simplified syntax with an emphasis on natural language, for a much easier learning curve for beginners. And, because Python is free to use and is supported by an extremely large ecosystem of libraries and packages, it's often the first-choice language for new developers.
   What are the other Frameworks that can be used with python?
   There are many frameworks used with Python, some are
 Flask
Django
Web2py
AIOHTTP
CherryPy
Dash
Falcon
 Growler
UvLoop
Pyramid
Sanic
CubicWeb
TurboGears
   Hug
MorePath
```

Full form of WS GI Web Server Gateway Interface