s={1,2,3,4,5,1,2,3,4,5}

print(s)

s='1,2,3'

n=int(s)

n=list(s)

print(n)

arr=[1,2,3,1,2,3,1,2,3]

print(set(arr))

abc={

"key":"value",

"key2":"value2",

"key3":"value3",

};

print(abc)

student={

"name":"Student1",

"age":"15",

"year":"2",

"section":"EEE"

};

print(student)

data={

"event1":"inventrix",

"event2":"electruzzle",

"event3":"electrosaga",

};

print(data)

student={}

student.update(

{"name":"name1","age":"20"}

)

print(student)

student={}

student.update(

{0:"student name",1:20,2:"address"}

)

print(student)

student={

"name":"student 1",

"age":15,

"year":2,

"section":"eee"

}

print(student['name'])

print(student['age'])

print(student['year'])

student={

"name":"student 1",

"age":15,

"year":2,

"section":"eee",

}

student['age']=1000

print(student.keys())

print(student.values())

print(student.items())

username=int(input("enter a username:"))

password=int(input("enter a password:"))

student={

"username":"archanagundra",

"password":"1234",

}

print(student)

def fun\_name():

print("sample function")

fun\_name()

def fun\_name(num1,num2):

print("ans:",num1\*num2)

fun\_name(10,20)

def fun\_name(num1,num2,op):

if op=="+":

print(num1+num2)

elif op=="-":

print(num1-num2)

elif op=="\*":

print(num1\*num2)

fun\_name(10,20,"\*")

def fun\_name(arr):

i=sum=0

for i in range(len(arr)):

sum=sum+arr[i]

print(sum)

arr=[1,2,3,4,5]

fun\_name(arr)

def fun\_name(arr):

sum=0

for i in range(len(arr)):

sum=sum+arr[i]

return sum

arr=[1,2,3,4,5]

ans=fun\_name(arr)

def hello(a,b,c=0):

print(a)

print(b)

print(c)

hello(10,20,50)

def hello(a=90,b=60,c=0):

print(a)

print(b)

print(c)

hello()

def hello(a,b,c):

print(a)

print(b)

print(c)

hello(b=10,c=40,a=50)

def hello(x,y,z):

print(x)

print(y)

print(z)

hello(y=40,x=20,z=0)

def hello(\*variable):

print(variable)

hello(10,20,30)

hello(10,20)

hello(100,200,8,9,56)

def hello(\*variable):

print(variable)

hello(10,20,30)

hello(60,80,894)

hello(56,78,45,"archana",[2,3,4])

def hello(\*variable):

print(variable)

hello()

def hello(\*variable):

print(sum(variable))

hello(10,20,30)

hello(10,20)

hello(54,89,"hello",[1,2,4])

hello()

class Student:

name = "archana"

age = 20

s\_class="EEE-A"

year=3

ob1=Student()

print(ob1.name)

print(ob1.age)

print(ob1.year)

name="archana"

age=20

id = "20a31a0214"

print("hello {} ,your age is {} , your id {} ".format(name,age,id))

name="archana"

age=20

Id= "abcd1002"

print(f"hello{name},your age is {age},Id is {Id}")

class student:

name="archana"

rollno="20a31a0207"

def print\_details(self):

print(f"name: {self.name} and rollno: {self.rollno}")

ob1 = student()

ob1.print\_details()

class Car:

model="lambargini"

colour="black"

speed="1000km"

def print\_details(self):

print(f"model:{self.model} ,colour:{self.colour} , speed:{self.speed}")

ob=Car()

ob.print\_details()

class student:

def \_\_init\_\_(self,name,rollno):

self.s\_name = name

self.s\_rollno = rollno

print(name,rollno)

def print\_details(self):

print(f"name: {self.name}, and roll: {self.rollno}")

ob1=student("archana",214)