#dictionary

d={"name":"Dharshini","age":17}#'key':value

print(d)

#to print particularly

print(d["name"])#displays specific key(dict.name["key name"])

d={"name":"Dharshini","age":17,"degree":["b.tech","m.tech"]}

print(d)

#key value can use any data type

d1=dict(fruit="apple",veg="carrot",pet="dog")

print(d1)#creates a dictionary

#get()

x=d.get("name")

print(x)

print(d1.get("veg"))#displays specific key value

#keys()-returns all keys

k=d.keys()

print(k)

#values()-returns all values

y=d.values()

print(y)

#items()-returns both keys and values

kv=d.items()

print(kv)

#change

d["age"]=18 #to change a particular value

print(d['age'])

print(d)

#to check if exists

print("true" if "name" in d else "false")#checks whether specified data exists or not

if "name" in d:

print("true")

else:

print("false")

#update

d.update({"name":"akshaya"})#updates already available data

print(d)

#adding items

d1["color"]="white"#to add a new key pair

print(d1)

#remove items-.pop()

d1.pop('veg')#removes the mentioned key from the dictionry

print(d1)

d1.popitem()#removes last inserted key from the dictionary

print(d1)

#del

del d["name"]

print(d)

#clear()-empties the dictionary

d.clear()

print(d)

#loop-if u need in new lines

for i in d1:#displays key names in new lines

print(i)

for i in d1:#displys the values in new lines

print(d1[i])

#copy()

x=d1.copy()

print(x)

x=dict(d1)

print(d1)

#default key

x=d1.setdefault("fruit":"cherry")

print(d1)