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Python variable

#1

z = "rich"

def myfunc():

 x = "handsome"

 print("The man is " + x)

 y = "smart"

 print("The man is " + y)

myfunc()

print("the man is " + z)

#2

x, y, z = "Aku", "adalah", "Kamu"

print(x,y,z)

x, y, z = z, y, x

print(x, y,z)

print()

python konstanta

#1

c = 418+32/40

d = 199-150*2

e = 601/41

if c < d:

 print("c is smaller than d")

else:

 print("c is greater than d")

if e < c:

 print("e is smaller than c")

else:

 print("e is greater than c")

#2

f = 60818/20-9

g = 9042001-200202

h = 1891/18+12

```
i = 78*21/17
if f > g:
    print("f is greater than g")
elif f == h:
    print("f and g are equal")
else:
    print("g is greater than f")
if i < h:
    print("i is smaller than h")
else:
    print("h is greater than i")
```

```
#3
print(1994 + 1899)
print(198622 - 18041)
print(1726 * 124)
print(600 / 22.7)
print(144 % 12)
print(900 ** 30)
print(169 // 13)
print( )
```

```
# Python String
```

```
#1
AB = "The power of God"
BC = "Nothing is impossible"
CA = "God is Good"
print(AB[4:16])
print(BC[11:21])
print(CA[7:11])
```

```
#2
P = "indonesia"
Q = "bhineka tunggal ika"
PQ = "PANCASILA"
print(P.upper())
print(Q.upper())
print(PQ.lower())
```

```
#3
A = "Kegagalan "
B = "adalah "
C = "keberhasilan "
D = "yang tertunda"
```

```
E = A + B + C + D
print(E)
```

```
#4
xy = 3
yz = 20
Sulitiyo = "I bought {} of the {} fastest cars in the world."
print(Sulitiyo.format(xy, yz))
```

```
#5
abc = "Mr. Jack said \"you will won\"."
cba= "Dayana said \"i love Indonesia\"."
print(abc)
print(cba)
```

```
#6
string = "Pencuri tas itu diamuk masa"
print(string)
print(string[::-1])
print( )
```

```
# Python list
```

```
#1
thislist = [90.99, 182.7, 182.6, 41, 17]
thislist.sort()
print(thislist)
```

```
#2
thislist = [90.99, 182.7, 182.6, 41, 17]
thislist.reverse()
print(thislist)
```

```
#3
thislist = ["Indonesia", "Inggris", "Irlandia", "India", "Italia"]
print(len(thislist))
```

```
#4
thislist = ["Teknik", "Kedokteran", "Ekonomi", "Ilmu Budaya", "Mipa"]
thislist.remove("Mipa")
thislist.append("FISIP")
thislist[1:2] = ["Keperawatan", "Pertanian"]
print(thislist)
```

```
#5
```

```
ASEAN =  
"Indonesia%20Malaysia%20Singapura%20Laos%20Myanmar%20Thailand%20Brunei%20Kamboja"  
list = ASEAN.split("%20")  
print(list)
```

```
#6  
list = ['Indonesia', 'Malaysia', 'Singapura', 'Laos', 'Myanmar', 'Thailand', 'Brunei', 'Kamboja']  
string = ' '.join(list)  
print(string)
```

```
#7  
list = [11,12,'Budi',13,11,14,"Budi",15,14,25,67,"Budi",45,11,19,11,'Budi',6,55,90,100,11]  
print(list.count(11))  
print(list.count(14))  
print(list.count(45))  
print(list.count('Budi'))
```

```
#8  
mylist = ['Piala saya yang ke '+str(y) for y in range (90,120)]  
print(mylist)
```

```
#9  
from collections import Counter  
print(Counter(list))  
print( )
```

Python Dictionary

```
#1  
thisdict = {  
    "Brand": "Toyota",  
    "Type" : "Kijang krista",  
    "Model": "Minibus",  
    "Colour" : "Silver",  
    "Year": 2001  
}  
thisdict["Type Fuel"] = "Premium"  
thisdict.pop("Type")  
thisdict["Year"] = 2004  
print(thisdict)
```

```
#2  
thisdict = {  
    "Brand": "Daihatsu",  
    "Type" : "Xenia",
```

```
"Model": "Minibus",
"Colour" : "Red Candy",
"Year": 2020
}
for x in thisdict.keys():
    print(x)
for x in thisdict.values():
    print(x)
print( )
```

Python Def

#1

class kendaraan:

def __init__(self, nama, tahun, merek, status):

self.nama = nama

self.tahun = tahun

self.merek = merek

self.status = status

if (tahun <= 2021 and tahun >= 2018):

self.status = "tergolong baru"

else:

self.status = "sudah lama"

def Nama(self):

print("Nama " + self.nama)

def Tahun(self):

print("Tahun " + str(self.tahun))

def Merek(self):

print("Merek " + self.merek)

def Status(self):

print("Status " + self.status)

def print(self):

print(self.nama + " , " + str(self.tahun) + " , " + self.merek + " , " + self.status)

p = kendaraan("Mobilio", 2017, "Honda", ".")

p.print()

d = kendaraan("Landcruiser", 2020, "Toyota", ".")

d.print()

print()

```
# Python Optional Object
```

```
#1
```

```
class Car:
```

```
    pass
```

```
car1 = Car()
```

```
car2 = Car()
```

```
car3 = Car()
```

```
car4 = Car()
```

```
car1.name = "Toyota"
```

```
car1.made = "Japan"
```

```
car1.price = 500
```

```
car2.name = "Ford"
```

```
car2.made = "American"
```

```
car2.price = 1000
```

```
car3.name = "BMW"
```

```
car3.made = "Germany"
```

```
car3.price = 1500
```

```
car4.name = "Lamborghini"
```

```
car4.made = "Italy"
```

```
car4.price = 2000
```

```
print(car1.__dict__)
```

```
print(car4.__dict__)
```

```
#2
```

```
ee = 78926*14/25
```

```
ff = 1973
```

```
gg = 991+189-500
```

```
hh = 582/18*3-6
```

```
if ee > hh:
```

```
    print("ee is greather than hh")
```

```
if hh > ff:
```

```
    print("hh is smaller than ff")
```

```
if gg > ee:
```

```
    print("gg is greather than ee")
```

```
#3
```

```
az = 2*100/10
bz = 56-12+5
if bz > az:
    print("bz is greater than az")
elif az == bz:
    print("az and bz are equal")
else:
    print("az is greater than bz")
if bz < az:
    print("bz is smaller than az")
elif az == bz:
    print("az and bz are equal")
else:
    print("az is smaller than bz")
```

#4

```
cy = 418+32/40
dy = 199-150*2
ey = 601/41
if cy < dy:
    print("cy is smaller than dy")
else:
    print("cy is greater than dy")
if e < c:
    print("ey is smaller than cy")
else:
    print("ey is greater than cy")
```

#5

```
fx = 60818/20-9
gx = 9042001-200202
hx = 1891/18+12
ix = 78*21/17
if fx > gx:
    print("fx is greater than gx")
elif fx == hx:
    print("fx and gx are equal")
else:
    print("gx is greater than fx")
if ix < hx:
    print("ix is smaller than hx")
else:
    print("hx is greater than ix")
```