16thseptember'23_python_conditional_statement_loops

October 18, 2023

[4]:
```
a=500
price=450
if price <= 500:
    print("yes i will be able to buy")
```

```
yes i will be able to buy
```

[3]:
```
price <= 500
```

[3]:
```
True
```

[5]:
```
850<=500
```

[5]:
```
False
```

[9]:
```
a=500
shirt_price=200
pant_price=500
coat_price=800
price=450


if coat_price <= a:
    print("yes i will try to buy coat")
elif pant_price < 500:
    print("yes i will try to buy pant")
elif shirt_price < 500:
    print("yes i will try to buy shirt")
else:
    print("i wont be able to buy")
```

```
yes i will try to buy shirt
```

[10]:
```
a=500
shirt_price=200
pant_price=500
coat_price=800
price=450
```

```
my_size='M'
size_store='L'

if coat_price <= a:
    print("yes i will try to buy coat")
elif pant_price < 500:
    print("yes i will try to buy pant")
elif shirt_price < 500:
    print("yes its available under my budget")
    if my_size==size_store:
        print("yes i will try to buy shirt")
else:
    print("i wont be able to buy")
```

```
yes its available under my budget
```

[11]:
```
a=500
shirt_price=200
pant_price=500
coat_price=800
price=450

my_size='M'
size_store=['L', 'XL', 'S','XXL','XXXL']

if coat_price <= a:
    print("yes i will try to buy coat")
elif pant_price < 500:
    print("yes i will try to buy pant")
elif shirt_price < 500:
    print("yes its available under my budget")
    if my_size==size_store:
        print("yes i will try to buy shirt")
else:
    print("i wont be able to buy")
```

```
yes its available under my budget
```

[12]:
```
my_size == size_store
```

[12]:
```
False
```

[13]:
```
'M' in size_store
```

[13]:
```
False
```

[18]:
```
a=500
shirt_price=200
pant_price=500
coat_price=800
price=450

my_size='M'
size_store=['L', 'XL','M', 'S','XXL','XXXL']

if coat_price <= a:
    print("yes i will try to buy coat")
elif pant_price < 500:
    print("yes i will try to buy pant")
elif shirt_price < 500:
    print("yes its available under my budget")
    if my_size in size_store:
        print("yes i will try to buy shirt")
    else:
        print("my size is not available")
else:
    print("i wont be able to buy")
```

```
yes its available under my budget
yes i will try to buy shirt
```

[20]:
```
a=500
shirt_price=200
pant_price=500
coat_price=800
price=450

my_size='M'
size_store=['L', 'XL','M', 'S','XXL','XXXL']
my_fav_clr='white'
store_clr=['white','red','blue','orange']

if coat_price <= a:
    print("yes i will try to buy coat")
elif pant_price < 500:
    print("yes i will try to buy pant")
elif shirt_price < 500:
    print("yes its available under my budget")
    if my_size in size_store:
        print("yes i will try to buy shirt")
        if my_fav_clr in store_clr:
            print("yes i will try to choose it")
        else:
```

```
            print("my fav colour is not available i will move on to another␣
 ↪store")
    else:
        print("my size is not available")
else:
    print("i wont be able to buy")
```

```
yes its available under my budget
yes i will try to buy shirt
yes i will try to choose it
```

[2]:
```
course=['DSM','DSA','java','bigdata','DA']
price=20000
mentor="shamnu jahas"
if 'DSM' in course and price == 20000 and "shamnu jahas" == mentor:
    print("yes i am doing this course")
```

```
yes i am doing this course
```

[4]:
```
course=['DSM','DSA','java','bigdata','DA']
price=20000
mentor="shamnu jahas"
if 'DSM' in course and price == 1000 and "shamnu jahas" == mentor:
    print("yes i am doing this course")
else:
    print("no")
```

```
no
```

[5]:
```
course_price=20000

if 10000<=course_price<=15000:
    print("i will try to buy a course")

else:
    print("its out ofmy budget")
```

```
its out ofmy budget
```

[6]:
```
10000<= course_price <=15000
```

[6]: False

[12]:
```
user_name="sham"
password="sha@123"

if user_name == input("enter your user name") and password == input("enter your␣
 ↪password"):
```

```
    print("you have logged in succefuly")
else:
    print("enter a correct user name and password")
```

```
enter your user name sham
enter your password sha@123

you have logged in succefuly
```

[16]:
```
mobile_no = 123456
otp = 1234
if mobile_no == int(input("enter your registered mobile no")):
    print("yes you are a registered user")
    if otp == int(input("enter otp that we have sent on your moblno")):
        print("youhave logged in succesfully")
    else:
        print("otp is not correct please try to enter again")
else:
    print("you have not entered a valid mobleno")
```

```
enter your registered mobile no 123456

yes you are a registered user

enter otp that we have sent on your moblno 1234

youhave logged in succesfully
```

[9]:
```
mobile_no ={123456,234567,345678}
otp = 1234
if int(input("enter your registered mobile no")) in mobile_no:
    print("yes you are a registered user")
    if otp == int(input("enter otp that we have sent on your moblno")):
        print("youhave logged in succesfully")
    else:
        print("otp is not correct please try to enter again")

else:
    print("you have not entered a valid mobleno")
```

```
enter your registered mobile no 123456

yes you are a registered user

enter otp that we have sent on your moblno 1234

youhave logged in succesfully
```

#LOOP

[16]:
```
l=[12,3,3,4,5,6,6]
mobile_no =[123456,23456,234567,345678]
student_mob=23456
stud_details={mobile_no:23456, course: ['DSA','dsm','bigdata']}

for i in mobile_no:
    print(i)
    if i == student_mob:
        print("yes user is registered")
```

```
123456
23456
yes user is registered
234567
345678
```

[1]:
```
l=[12,3,3,4,5,6,6]
mobile_no =[123456,23456,234567,345678]
student_mob=23456
stud_details={'mobile_no': 23456, 'course': ['DSA','dsm','bigdata']}

for i in mobile_no:
    print(i)
    if i == student_mob:
        print("yes user is registered")
        if i == stud_details['mobile_no']:
            print("yes student details are available in DB")
            print("course accessed to this user is",stud_details['course'])
```

```
123456
23456
yes user is registered
yes student details are available in DB
course accessed to this user is ['DSA', 'dsm', 'bigdata']
234567
345678
```

[3]:
```
t=(1,2,3,4,5,66,"shamnu","jahas")
for i in t:
    if type(i)==str:
        print(i)
```

```
shamnu
jahas
```

[6]:
```
t=(1,2,3,4,5,66,"shamnu","jahas")
l_int=[]
l_str=[]
```

```
for i in t:
    if type(i)==str:
        l_str.append(i)
    elif type(i)==int:
        l_int.append(i)
print(l_int)
print(l_str)
```

```
[1, 2, 3, 4, 5, 66]
['shamnu', 'jahas']
```

[7]:
```
t=(1,2,3,4,5,66,"shamnu","jahas",345.565)
l_int=[]
l_str=[]

for i in t:
    if type(i)==str:
        l_str.append(i)
    elif type(i)==int:
        l_int.append(i)
print(l_int)
print(l_str)
```

```
[1, 2, 3, 4, 5, 66]
['shamnu', 'jahas']
```

[8]:
```
l_int
```

[8]:
```
[1, 2, 3, 4, 5, 66]
```

[9]:
```
l_str
```

[9]:
```
['shamnu', 'jahas']
```

[10]:
```
s={3,4,5,6,7,5,8,44,8}
```

[11]:
```
s
```

[11]:
```
{3, 4, 5, 6, 7, 8, 44}
```

[12]:
```
for i in s:
    print(i)
```

```
3
4
```

```
5
6
7
8
44
```

[14]:
```
d={"name":"sha",'class':["big data", "data analytics", "data science", "DSA",␣
↪"architecture", "system design"], 'mobile no':345353453, "email_id":
↪'shamnujahas@gmail.com'}
```

[15]:
```
d
```

[15]:
```
{'name': 'sha',
 'class': ['big data',
  'data analytics',
  'data science',
  'DSA',
  'architecture',
  'system design'],
 'mobile no': 345353453,
 'email_id': 'shamnujahas@gmail.com'}
```

[16]:
```
d.values()
```

[16]:
```
dict_values(['sha', ['big data', 'data analytics', 'data science', 'DSA',
'architecture', 'system design'], 345353453, 'shamnujahas@gmail.com'])
```

[17]:
```
for i in d.values():
    print(i)
```

```
sha
['big data', 'data analytics', 'data science', 'DSA', 'architecture', 'system
design']
345353453
shamnujahas@gmail.com
```

[18]:
```
for i in d.values():
    if type(i)==list:
        print(i)
```

```
['big data', 'data analytics', 'data science', 'DSA', 'architecture', 'system
design']
```

[19]:
```
for i in d.values():
    if type(i)==list:
        if 'system design' in i:
            print("yes this mentor teach system design")
```

yes this mentor teach system design

[ ]: