

▼ Question 1

```
colors=["Yellow","Green","White","Black"]
fruits=["Apple",'Papaya',"Mango","Orange"]
animals=["Tiger","Lion","Deer","Zebra"]
```

```
#1
name=input("Enter name ::> ").strip().capitalize()
if name in colors: print(name+" is a color")
elif name in fruits: print(name+" is a fruit")
elif name in animals: print(name+" is a animal")
else: print("The name is not in all the above lists")
```

```
Enter name ::> yellow
Yellow is a color
```

```
#2
name1,name2=input("Enter name1 ::> ").strip().capitalize(),input("Enter name2 ::> ").strip().
if name1 in colors and name2 in colors: print("Both are colors")
elif name1 in fruits and name2 in fruits: print("Both are fruits")
elif name1 in animals and name2 in animals: print("Both are animals")
else: print("They don't belong to same category")
```

```
Enter name1 ::> Yellow
Enter name2 ::> White
Both are colors
```

▼ Question 2

```
score=int(input("Enter score ::> "))
if score<40: print("low")
elif score>60: print("high")
else: print("normal")
```

```
Enter score ::> 40
normal
```

▼ Question 3

```
result=["Pass","Fail","Fail","Pass","Fail","Pass","Pass","Fail","Fail","Fail"]
count=0
```

```
for i in result:
    if i=="Pass": count+=1
print(count)
```

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▼ Question 4

```
for i in range(1,5+1):
    for j in range(i):
        print('*',end=' ')
    print()
for i in range(4,0,-1):
    for j in range(i):
        print('*',end=' ')
    print()
```

```
*
* *
* * *
* * * *
* * * * *
* * * * *
* * * *
* * *
* *
*
```

▼ Question 5

```
i=0
while(i<50):
    i+=10
    state=input("are you tired? ")
    if(state=='yes'):
        print("You didn't finish the race...")
        break
    else:
        continue
if(i==50): print("Congratulations...")

are you tired? yes
You didn't finish the race...
```

▼ Question 6

```
for i in range(1500,2700+1):  
    if i%5==0 and i%7==0:  
        print(i,end=',')
```

1505,1540,1575,1610,1645,1680,1715,1750,1785,1820,1855,1890,1925,1960,1995,2030,2065,2100



▼ Question 7

```
for i in range(11,20,2):  
    print(i**2,end=' ')
```

121 169 225 289 361

▼ Question 8

```
marks_list=[65,75,2100,95,83]  
n=int(input("Enter marks ::> "))  
for i in range(5):  
    if marks_list[i]==n:  
        print("test"+str(i+1))  
        break  
else:  
    print("marks are not in marks_list")
```

Enter marks ::> 83
test5