

Assignment 1 - GO_STP_4591

Que1

```
In [ ]: Colors=["Yellow","Green","White","Black"]
Fruits=["Apple","Papaya","Mango","Orange"]
Animals=["Tiger","Lion","Deer","Zebra"]
```

```
In [ ]: # Que a
item=input("Enter any items")
if item in Colors:
    print("Item is Color")
if item in Fruits:
    print("Item is fruit")
if item in Animals:
    print("Item is Animals")
```

```
In [ ]: # Que b
item1=input()
item2=input()
if (item1 in Colors and item2 in Colors):
    print("Both are Colors")
elif(item1 in Fruits and item2 in Fruits):
    print("Both are Fruits")
elif (item1 in Animals and item2 in Animals):
    print("Both are Animals")
else:
    print("They don't belong to same category")
```

Que 2

```
In [ ]: score=int(input("Enter a score"))
```

Que 3

```
In [ ]: result = ["Pass","Fail","Fail","Pass","Fail","Pass","Pass","Fail","Fail","Fail"]
c=0
for i in result:
    if i=="Pass":
        c+=1
print(" I Got Pass {} times ".format(c))
```

Que 4

```
In [ ]: for i in range(6):
    for j in range(i):
        print("*",end=" ")
    print()
for i in range(4,0,-1):
    for j in range(i):
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    print("*",end=" ")
print()
```

Que 5

```
In [ ]: distance = 50

for i in range(10,distance+1 ,10) :

    print("At distance : ", i)
    if i == distance :
        print("Congratulations")

    else :
        print("are you tried ?")
        a = input()
        if a == "yes" :
            print("you didn't finish the race")
            break
```

Que 6

```
In [ ]: for i in range(1500,2701):
    if i%5==0 and i%7==0:
        print(i,end=" ")
```

Que7

```
In [ ]: for i in range (10,20):
    if i%2==0:
        continue
    else:
        print(i*i,end=" ")
```

Que 8

```
In [ ]: marks_list = [65, 75, 2100, 95, 83]
marks=int(input())
if marks in marks_list:
    print("Given marks occures in test {}".format(marks_list.index(marks)+1))
else:
    print("Given marks not occures in test ")
```