

# 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):
```

```
print(" ",end=" ")
print()
```

## Que 5

```
In [ ]: distance = 50

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

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

    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 occurs in test {}".format(marks_list.index(marks)+1))
else:
    print("Given marks not occurs in test ")
```