Untitled0.

S

Connect

```
[ ] #question:1
    p=int(input("Enter side of triangle :")
    q=int(input("Enter side of triangle :")
    r=int(input("Enter side of triangle :")
    S=(p+q+r)/2
    Area=(S*(S-p)*(S-q)*(S-r)**.5)
    print("Area of triangle", Area)
```

```
Enter side of triangle :3
Enter side of triangle :4
Enter side of triangle :5
Area of triangle 36.0
```

```
[ ] #question:2
    given_str="pop"
    reverse_str=given_str[::-1]
    if(given_str==reverse_str):
      print("palindrome")
    else:
      print("not a palindrome ")
```

```
palindrome
```

```
[ ] #question:3
    Year=int(input("Enter year :"))
    if Year%4==0:
       print("leap year")
    else:
       print("not a leap year")
```

```
Enter year :2020
leap year
```

Untitled0.

S

Connect

```
[ ] #question:4
    givenstring="This program convertes spa
    returnstring=givenstring.replace(" ", "
    returnstring
```

```
'This-program-convertes-space-into-h
yphen'
```

```
[ ] #question:5
    Color=("orange","red","cyan","green","m
    Color=sorted(Color)
    print(Color)
```

```
['cyan', 'cyan', 'green', 'magenta',
```

```
[ ] #question:6
    Salary=int(input("Enter salary :"))
    if Salary<=250000:
       print("nil")
    elif 250001>=Salary<=500000:
       print("tax",(Salary*100)/5)
    elif 500000>=Salary<=750000:
       print("tax",(Salary*100)/10)
    elif 750001>=Salary<=1000000:
       print("tax",(Salary*100)/15)
    elif 1000001>=Salary<=1250000:
       print("tax",(Salary*100)/20)
    elif 1250001>=Salary<=1500000:
       print("tax",(Salary*100)/25)
    else:
       print("tax",(Salary*100)/30)
```

```
Enter salary :350000
tax 3500000.0
```

```
[ ] #question:7
    for i in [11,33,50]:
        print(i,end="")
```

```
113350
```

```
[ ] #question:8
    Days=int(input("Enter no of days :"))*8
    Hours=int(input("Enter no of hours :"))
    Minutes=int(input("Enter no of minutes
    Seconds=int(input("Enter no of seconds
    Totalseconds=Days+Hours+Minutes+Seconds
    print("Total number of secondd",Totalse
```

```
Enter no of days :4
Enter no of hours :2
Enter no of minutes :54
Enter no of seconds :45
Total number of secondd 356085
```

```
[ ]
```

```
[ ] #question:9
    List=(5,8,-6)
    print("Maximum of List is :")
    print(max(List))
    print(" Minimum of List is:")
    print(min(List))
```

```
Maximum of List is :
8
 Minimum of List is:
-6
```

```
[ ] #question:10
    Y=int(input("Enter year :"))
    M=int(input("Enter month :"))
    D=int(input("Enter date :"))
    if Y%4==0:
       leapyear=True
    else:
       notleapyear=False
    if M==2:
       if leapyear:
          Days=29
       else:
          Days=28
    elif M in(4,6,9,10):
        Days=30
    else:
       Length=31
    if D<Days:
       D=D+1
    else:
       D=1
    print(f"sucessor is [yyy-mm-dd]:{Y}-{M}
```

```
Enter year :2020
Enter month :4
Enter date :26
sucessor is [yyy-mm-dd]:2020-4-27
```

```
[ ] #question:11
    def product(a,b,c,d,e,f,g,h):
        return a*b*c*d*e*f*g*h
    product(45,3,2,89,72,1,10,7)
```

```
121111200
```

```
[ ] #question:12
    def Num_list(a,b,c,d,e,f):
        return a+b,b+c,c+d,d+e,e+f
    Num_list(5,6,8,34,89,1)
```

```
(11, 14, 42, 123, 90)
```

```
[ ] #question:13
    def Num_tuple(a,b,c,d,e,f):
        return a, a*b,a*b*c,a*b*c*d,a*b*c*c
    Num_tuple(5,6,8,3,9,1)
```

```
(5, 30, 240, 720, 6480, 6480)
```

```
[ ] #question:14
    num=int(input("Enter digit :"))
    returnlist=[]
    for i in str(num):
          returnlist. append(int(i))
    print(returnlist)
```

```
Enter digit :586392
[5, 8, 6, 3, 9, 2]
```

```
[ ] #quesion:15
    string=input("Enter a palindrome ")
    STR1=[]
    STR2=[]
    Index=0
    for i in range(0,len(string)-1):
        for j in range(i+1,len(string)+1):
            if j-i>1:
                q=string[i:j]
                if (q==q[::-1]):
                    STR1.append(string[i:j])
                    STR2.append(len(string[i:
    Maximum=max(STR2)
    for i in STR2:
        if i==Maximum:
            print(STR1[Index])
        else:
            Index=Index+1
```

```
Enter a palindrome racecar
racecar
```

```
#question:16
Num1=input("enter a binary number of le
Num2=input("enter a binary number of le
if Num2[:] in Num1[:]:
    print(1)
else:
    print(0)
```

```
enter a binary number of length 10 :
enter a binary number of length 5 :1(
0
```