ROOPESH VERMA

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PYTHON CODE

**ANS1 -** my\_list = [2, 2, 3, 2 ]  
  
s = my\_list[0]  
  
for item in my\_list:  
 if s!= item:  
 print(my\_list[s])

**ANS2 -** minimum = float(**"inf"**)  
my\_list = [1,2,3,4]  
  
s = 0  
  
for item in my\_list:  
 s += item  
  
mean = s/4  
  
for val in my\_list:  
 if abs(val - mean) < minimum:  
 final\_value = val  
 minimum = abs(val - mean)  
  
print(final\_value)

**ANS3 -** speed = [0,10,20,30,40,50] *#km/hr  
  
# Constant Time of 1hr*s = 0  
for item in speed:  
 s += item  
  
av\_sp = s/5  
  
print(av\_sp)

**ANS4 –**

**ANS5 -** my\_list = [1,2,3,4,5]  
  
my\_list2 = [1,3,4,5,6]  
  
for i in range(5):  
 if(my\_list[i]) != my\_list2[i]:  
 print(my\_list[i])

**ANS6 -** A = [1,2,3,4,5]  
  
mini = A[0]  
second\_mini = A[0]  
  
for item in A:  
 if item <= mini:  
 mini = item  
 elif second\_mini != mini and second\_mini > item:  
 second\_mini = item  
  
  
print(second\_mini - mini)

**ANS7 -** A = [1,2,3,4,5]  
  
s = 0  
  
for item in A:  
 s += item  
  
mean = s/5  
  
t = 0  
  
if item < int(mean):  
 t += item  
  
print(t)

**ANS8 -** time\_st = **"5:70:65"**time\_st = **"{h}:{m}:{s}"**.format(h=6,m=11,s=55)  
  
print(time\_st)

**ANS9 -**   
time\_st = **"22:17:55"**time\_st = **"{d}/{m}/{y}"**.format(d=6,m=11,y=21)  
  
print(time\_st)

**ANS10 -**   
ip = **"a.b.c.d"**ip = **"{}.{}.{}.{}"**.format(101,21,213,21)  
  
print(ip)

**ANS11 -** my\_list = **"education"**char\_list = []  
for char in my\_list:  
 if char.isalpha():  
 if char in char\_list:  
 print(**"False"**)  
 char\_list.append(char)  
 print(**"True"**)

**ANS12 -** my\_string=**'hello'**new=[]  
for i, val in enumerate(my\_string[:]):  
 up= my\_string[i].upper()  
 c= my\_string[:i] + up + my\_string[i+1:]  
 new.append(c)  
print(new)

**ANS13 -** n = 6598  
ans = 0  
i = 1  
  
while n // i > 0:  
 temp = (n // (i \* 10)) \* i + (n % i)  
 i \*= 10  
 if temp > ans:  
 ans = temp  
 n = ans  
  
print(ans)

**ANS14 -** num = 123456  
  
count = [0 for x in range(10)]  
  
  
string = str(num)  
  
  
for i in range(len(string)):  
 count[int(string[i])] = count[int(string[i])] + 1  
  
result = 0  
multiplier = 1  
  
for i in range(10):  
 while count[i] > 0:  
 result = result + ( i \* multiplier )  
 count[i] = count[i] - 1  
 multiplier = multiplier \* 10  
  
print(result)

**ANS15 -** str = **'apple mango apple orange orange apple guava mango mango'**str = str.split()  
str2 = []  
  
  
for i in str:  
 if i not in str2:  
 str2.append(i)  
  
for i in range(0, len(str2)):  
 print(**'Frequency of'**, str2[i], **'is :'**, str.count(str2[i]))

**ANS16 -** print(**'%02x%02x%02x'** % (255, 255, 195))  
  
value = **"FF65BA"**value = value.lstrip(**'#'**)  
lv = len(value)  
print(tuple(int(value[i:i + lv // 3], 16) for i in range(0, lv, lv // 3)))

**ANS17 -**