→ Task 1

I=['jagadeesh','deepak','kiran','venkat']

```
{'j': 1, 'a': 5, 'g': 1, 'd': 2, 'e': 5, 's': 1, 'h': 1, 'p': 1, 'k': 3, 'i': 1, 'r': 1, 'n': 2, 'v': 1, 't': 1}
```

```
l=['jagadeesh','deepak','kiran','venkat']
for i in 1:
 s+=i
s1=''
11=[]
for j in s:
 if j not in s1:
      s1+=j
      c=0
      for k in s:
       if j==k:
         c+=1
      11.append(c)
12={s1[i]:l1[i] for i in range(len(l1))}
print(12)
     {'j': 1, 'a': 5, 'g': 1, 'd': 2, 'e': 5, 's': 1, 'h': 1, 'p': 1, 'k': 3, 'i': 1, 'r': 1, 'n': 2, 'v': 1, 't': 1}
```

→ Task 2

num = 9390018934

```
num = 9390018934
n=num
while n>9:
 sum=0
 while num!=0:
   d=num%10
   sum+=d
   num//=10
 else:
   n=sum
   num=sum
else:
 print('sumed value of given number :',n)
   print(n,'is a prime number')
  elif n==0:
   print(n,'is even')
  elif n==1:
   print(n,'is odd')
  elif n>2:
    for i in range(2,n):
      if n%i==0:
       if n%2==0:
         print(n,'is even')
        else:
         print(n,'is odd')
        break
      print(n,'is prime number')
     sumed value of given number : 1
     1 is odd
```

- Task 3

I=[1,2,[4,5,6],[7,8,9]]

I = [1,2,3,4,5,6,7,8,9]

→ Task 4

I=[1,2,[4,5,6],[7,8,9]]

I = [1,2,456,789]

```
l=[1,2,[4,5,6],[7,8,9]]
for i in 1:
 if isinstance(i,list):
   n=0
    for j in i:
     n=n*10+j
    else:
     1.append(n)
else:
 for j in 1:
   if isinstance(j,list):
     1.remove(j)
    for k in 1:
      if isinstance(k,list):
        1.remove(k)
  else:
   print(1)
     [1, 2, 456, 789]
```

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