```
1 \text{ space} = 4
 2 \text{ no} = 0
 3 for i in range(5):
        out=""
       if i<2:
 6
            out += " "*space
            out+=str(i+1) + (" "+<math>str(i+1))*no
 8
            space-=2
 9
             no+=1
        else:
10
11
            out += " "*space
            out+=str(i+1) + (" "+<math>str(i+1))*no
12
13
            space+=2
14
            no-=1
        print(out)
15
```

All Contests > Al SIG Freshers > Diamond Number Pattern

## **Diamond Number Pattern**

Problem Submissions Leaderboard Discussions

Submitted 3 minutes ago • Score: 10.00

Status: Accepted



Test Case #0

```
def valid_list(l):
 2
       if (type(l) != type([])) or (l==[]):
 3
            return "Invalid input"
 4
       else:
5
           for i in l:
6
                if type(i) != type(0):
7
                     return "Invalid input"
8
            return "Valid input"
9
10 def unique_nums(l):
11
       lis = []
12
       cnt=0
13
       for i in l:
            if i not in lis:
14
15
                lis.append(i)
16
                cnt+=1
17
       print(cnt)
18
19 def smallest_num(l):
20
       l.sort()
21
       print(l[0])
22
23 def largest_num(l):
       l.sort()
24
25
       print(l[-1])
26
27 def avg_list(l):
       div = 0
28
29
       sum_{-} = 0
30
       for i in l:
31
            sum_+=i
32
           div+=1
33
       if sum_/div <0:
34
            print(sum_//div +1)
35
       else:
36
           print(sum_//div)
```

Test Case #9

All Contests > Al SIG Freshers > List Statistics

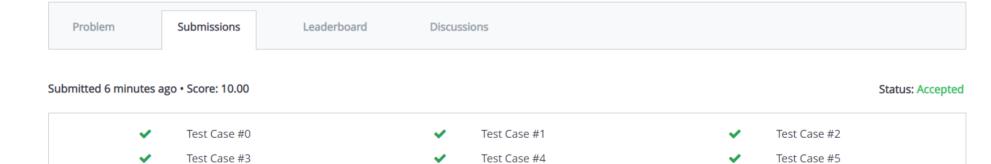
## **List Statistics**

Problem Leaderboard Submissions Discussions

Submitted 7 minutes ago • Score: 10.00

Status: Accepted Test Case #0 Test Case #1 Test Case #2 ~ Test Case #3 Test Case #4 Test Case #5 Test Case #6 Test Case #7 Test Case #8

```
def string_same(str1, str2):
      if len(str1) != len(str2):
          print("Invalid input")
3
          return
5
      cnt= 0
6
      for i in range(len(str1)):
          if str1[i] == str2[i]:
              print(str1[i])
              cnt+=1
      print(cnt)
```



Test Case #7

Test Case #6