```
## [diamond pattern]
space = 4
for i in range(5):
    out=""
   if i<=2:
        out += " "*space
        out+=str(i+1) + (" "+str(i+1))*i
        space-=2
    else:
        out += " "*space
        out+=str(i+1) + (" "+str(i+1))*i
        space+=2
    print(out)
```

PREPARE CERTIFY

COMPETE







All Contests > Al SIG Freshers > Diamond Number Pattern

## **Diamond Number Pattern**

Problem Submissions Leaderboard Discussions

Submitted 15 hours ago • Score: 10.00 Status: Accepted

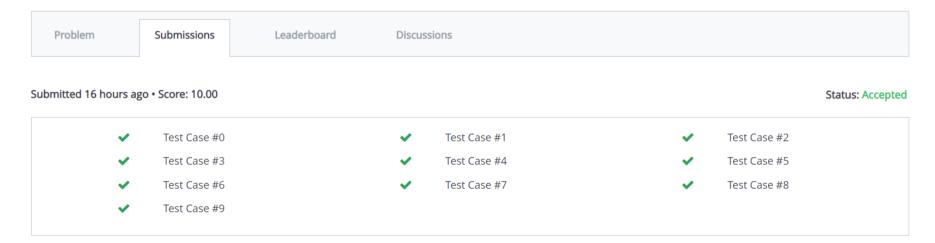




```
## [List Statistics]
def valid_list(1):
    if (type(1) != type([])) or (l==[]):
        return "Invalid input"
    else:
        for i in 1:
             if type(i) != type(0):
                 return "Invalid input"
        return "Valid input"
def unique nums(1):
    lis = []
    cnt=0
    for i in 1:
        if i not in lis:
             lis.append(i)
             cnt+=1
    print(cnt)
def smallest num(1):
    1.sort()
    print(1[0])
def largest num(1):
    1.sort()
    print(1[-1])
def avg list(1):
    div = 0
    sum = 0
    for i in 1:
        sum +=i
        div+=1
    if sum /div <0:
        print(sum //div +1)
    else:
        print(sum //div)
```

All Contests > Al SIG Freshers > List Statistics

## **List Statistics**



```
## [string's similarity]
def string same(str1, str2):
     if len(str1) != len(str2):
          print("Invalid input")
          return
     cnt= 0
     for i in range(len(str1)):
          if str1[i] == str2[i]:
               print(str1[i])
               cnt+=1
     print(cnt)
```

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## **Strings' Similarity**

