```
l=['python','django','java','dbms']
l1=[]
for i in l:
  if isinstance(i,str)==True:
    for j in range(len(i)):
      l1.append(i[0:j+1])
else:
  print(l1)
```

```
['p', 'py', 'pyt', 'pyth', 'pytho', 'python', 'd', 'dj', 'dja', 'djan', 'djang', 'django', 'j', 'ja', 'jav', 'java', 'd', 'db', 'db
```

```
l=['python','django','java','dbms']
l1=[[i[0:j+1] for j in range(len(i))] for i in l if isinstance(i,str)]
print(l1)
```

```
[['p', 'py', 'pyt', 'pyth', 'pytho', 'python'], ['d', 'dj', 'dja', 'djan', 'djang', 'django'], ['j', 'ja', 'jav', 'java'], ['d', 'd
```

```
for i in range(5):
  for j  in range(5):
    if i==j:
      print(0,end=' ')
    elif i>j:
      print('*',end=' ')
    else:
      print('#',end=' ')
  else:
    print()
```

```
0 # # # #
* 0 # # #
* * 0 # #
* * * 0 #
* * * * 0
```

```
a=5
b=a//2+a%2
print(b)
```

```
3
```

```
def dimond():
  m=n//2+n%2
  i=1
  while m!=0:
    print(' '*(m-1),'*'*i)
    i+=2
    m-=1
  else:
    m=n-2
    i=1
    while m>0:
      print(' '*i,'*'*m)
      i+=1
      m-=2
n=input('Enter a number : ')
if n.isdigit()==False:
  print('Invalid data')
else:
  n=int(n)
  if n>2:
    if n%2==1:
      dimond()
    else:
      n=n-1
      dimond()
```

```
Enter a number : 5
   *
  ***
 *****
  ***
   *
```

✓ 3s completed at 6:00 PM