

Q.4>>Develop python function to produce the following output:

```
*  
  
* * *  
  
* * * * *  
  
* * *  
  
*
```

```
#diamond pattern(user defined) with space  
n=int(input('enter the height:'))  
for i in range(0,n):  
    for j in range(0,n-i-1):  
        print(" ",end=" ") #for space,end=""(for new line)  
    for k in range(0,2*i+1):  
        print("*",end=" ")  
    print()  
for i in range(n-1,0,-1):  
    for j in range(0,n-i):  
        print(" ",end=" ") #for space,end=""(for new line)  
    for k in range(0,2*i-1):  
        print("*",end=" ")  
    print()
```

