

```

# Diamond pattern another shape
n=int(input('enter the height:'))
for i in range(0,n):
    for j in range(0,(n-1)-i):
        print(" ",end=" ") #for space,end=" "(for new line, as
        well as space)
    for k in range(0,i+1):
        print("* ",end=" ")
    print()
for i in range((n-1),0,-1):
    for j in range((n-1)-(i-1),0,-1):
        print(" ",end=" ") #for space,end=" "(for new line, as
        well as space)
    for k in range(i):
        print("* ",end=" ")
    print()

```

The screenshot shows the Visual Studio Code interface. On the left, the Explorer pane displays a file tree with various Python files, including pattern1.py through pattern21.py, perfect.py, pos_neg_no.py, prime_other.py, prime.py, print_no.py, print_armstrong.py, pyramid_space.py, pyramid.py, and repeat_string.py. The main editor area shows the code for pattern16.py, which is identical to the code block above. The output pane on the right shows the execution of the program with the input '5', resulting in a diamond pattern of asterisks. The terminal at the bottom shows the command prompt and the execution of the Python script.

```

pattern16.py - vs code progss - Visual Studio Code
EXPLORER
  VS CODE PROGGSS
    pattern1.class
    pattern1.java
    pattern4.py
    pattern5_other.py
    pattern5.py
    pattern6.py
    pattern7.py
    pattern8.py
    pattern9.py
    pattern10.py
    pattern11.py
    pattern12.py
    pattern13.py
    pattern14.py
    pattern15.py
    pattern16.py
    pattern17.py
    pattern18.py
    pattern19.py
    pattern20_py
    pattern21(special).py
    perfect.py
    pos_neg_no.py
    prime_other.py
    prime.py
    print_no.py
    print_armstrong.py
    pyramid_space.py
    pyramid.py
    repeat_string.py
  OUTLINE
  TIMELINE
  PROBLEMS
  OUTPUT
  DEBUG CONSOLE
  TERMINAL
    PS C:\Users\VP\OneDrive\Desktop\vs code progss> python -u "c:\Users\VP\OneDrive\Desktop\vs code progss\tempCodeRunnerFile.py"
    enter the height:5
    *
   *
  * *
 * * *
* * * *
* * * *
 * *
  *
 *
*
PS C:\Users\VP\OneDrive\Desktop\vs code progss>

```