

```

#pattern 7
n=5
for i in range(0,5):
    for j in range(0,i+1):
        if(j%2==0):
            print("#",end="")
        else:
            print("@",end="")
    print()

```

The screenshot shows the Visual Studio Code interface with a file explorer on the left containing various Python files. The main editor displays the code for 'pattern7.py', which is identical to the code block above. Below the editor, the 'TERMINAL' panel shows the command 'python -u "c:\Users\HP\OneDrive\Desktop\vs code progss\pattern7.py"' being executed. The output of the script is displayed in the terminal, showing a 5x5 grid of characters where even-indexed positions (0-based) contain '#' and odd-indexed positions contain '@'. The pattern is as follows:

```

#
#@
##@
###@
####@

```

The terminal also shows the message '[Done] exited with code=0 in 0.07 seconds'.