Code: (SA0810

subject : python programming

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A-SSIGNMENT-5

To execute an inverted pyramid & a hollow block using matrix in python, we can use nested loops to build patterns.

1. Inverted pyramid:

the inverted pyramid is essentially an upside down pyramid, we can create by using spaces in first sow & then gradually increasing no. of ".

def invested-pyramid (roms):

tox i in range (rows, 0, -1):

tor i in range (rous, -i):

point (" ", end = " ")

tos ; in range (2*1-1):

print (" *", end = "")

print()

rows = int (input ("Enter no. of rows: "))

invested pyramid(sows)

2. Hollow Block:

To create a hollow block, we can print (*) on the first and last rows as well as on the first & last columns. The interior of the block is filled with the spaces.

* Hollow_block' function genates the hollow block pattern.

```
det hollow_block (rows, cols):
    for i in range (rows):
 for j in range (cols):
  24 (1==0 0x 1== 80WS-1 08 j==0 0x j==cols-1:
              print (" " end : " ")
           else:
             print (" ", end: " ")
  print()
rows = int (input ("enter no. of rows: "))
cals = int (input ("entex no. of columns:"))
hollow_block (xows, colb)
* The number of sows and columns determines the
dimensions of the block.
output:
1. Inverted pyramid:
2. Hollow Block
```