**MSc. CSA-I**

**C and JAVA Lab**

**Assignment**

Write a C program to print the given patterns:

1. \*

\* \*

\* \* \*

\* \* \* \*

1. A full pyramid of stars.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | \* |  |  |
|  | \* | \* | \* |  |
| \* | \* | \* | \* | \* |

1. A hollow pyramid of stars.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  | \* |  |  |  |
|  |  | \* |  | \* |  |  |
|  | \* |  |  |  | \* |  |
| \* | \* | \* | \* | \* | \* | \* |

1. Display the given pattern of numbers:

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  | 1 |  |  |  |  |
|  |  |  | 2 | 3 | 2 |  |  |  |
|  |  | 3 | 4 | 5 | 4 | 3 |  |  |
|  | 4 | 5 | 6 | 7 | 6 | 5 | 4 |  |
| 5 | 6 | 7 | 8 | 9 | 8 | 7 | 6 | 5 |

**Note: The number of rows upto which the pattern is printed will be given as input by the user.**