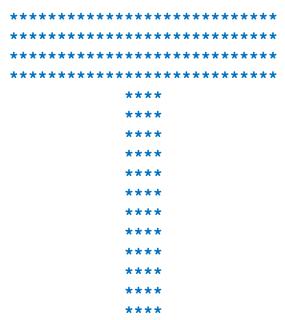
Programming Fundamentals LAB – BSDSF21 (Both Morning and Afternoon)

Lab 08 - 03-03-2022

YOU may USE Command Prompt to interpret and execute all the PYTHON programs. Use of any IDE, except **Mu Editor** is not allowed for this LAB, despite you are expert. Unless and until you convinced me in personal capacity.

- 1. Write a function *isPerfectSquare(n)* to return True or False depending parameter **n** is a perfect square or not. Also, write verity of test cases.
- 2. Write code in main only to input 12 integers into an array, then remove all -ve values from the same array and print the array items one per line. **Note**: you are allowed to create only one array of size 12.
- 3. Write the code for the function to print a solid filled rectangle of height **h** and width **w** using character **c**.
- 4. Using the code in question **3**, write code to print a big T as follows:



5. Write the code for the function **printShape(n)** using loops and functions like above parts to print the following shape, **n** being an odd number. The following result of **printShape(11)**