## Assignment -3

Q1. Write a program to print the following outputs using **for** loop.

Q2. Read the age of 200 persons and then count the number of persons fall in the age group of 50 to 60.

Hint: use for and continue statements.

Q3. Design the Pascal's Triangle as given below:

Q4. Write a program to evaluate the following functions to 0.0001% accuracy.

(a) 
$$\sin x = x - x^3/3! + x^5/5! - x^7/7! + \dots$$
  
(b)  $\cos x = 1 - x^2/2! + x^4/4! - x^6/6! + \dots$ 

Q5. Write a program to print the arrow star pattern.

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