

# CTA ASSIGNMENTS 2020 -2021

## CLASS 10

### Assignment 13:

Write a program to accept a word and draw the following pattern:

Sample Input: HEVEN

Sample Output:    H            H  
                  HE          EH  
                  HEV         VEH  
                  HEVE     EVEH  
                  HEVENNEVEH

### Assignment 14:

Write a program which stores 6 words in a single dimensional array and store reverse of those words in another array.

Sample Input: APPLE, LOTUS, FROG, DENMARK, CROW

Sample Output: ELPPA, SUTOL, GORF, KRAMNED, WORC

### Assignment 15:

Write a menu driven program which accept a word and check the following:

1) Palindrome Word: A word is called palindrome if it is same as its reverse.

Sample Input: Enter your choice: 1

MADAM

Sample Output: Yes, It's a palindrome word

2) Special Word: A word is called special if it starts and ends with a same character.

Sample Input: Enter your choice: 2

THOUGHT

Sample Output: Yes, It's a special Word.

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Instructions to be followed:

1. All assignments must be hand-written. None of the assignment will be typed in computer. Project file paper will be used to do the assignments.

2. Program and variable description table on rule side with black or blue pen only. White pages can be used for writing sample input and output. No other colour will be acceptable.

3. Each assignment will be scanned as a pdf file.

4. Following sequence will be maintained in a scanned pdf file for each assignment:

a) Question

b) Program

c) Sample Input and output

d) Variable description Table

5. PDF File Name will be as follows:

<Registartion No><space>Assignment<no.>

Example: 2222 Samadrita Basu Assignment13

6. Subject of the mail will be as follows:

<Registration No><space><Name><space><Assignment>13,14,15

Example: 2222 Samadrita Basu Assignment 13,14,15

7. Please send only one mail with three attachments for three assignments.

8. Submission date for Assignment13,14,15 will be on or before 09/12/2020

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