# HOME ASSIGNMENT IN C

**Note:-Sole the problems by using user defined functions only in C.**

**:-Write the variable name with your roll number i.e.-X321, P324**

1. Convert a Person’s Name in Abbreviated form.
2. WAP in C using ternary operator to find the Greatest Among Three Numbers
3. WAP to print the numbers which are divisible by 7 and 13 within a range.
4. WAP to enter a five digit number and print the below structure

For example the no is :45678

4 5 6 7 8

5 6 7 8 4

6 7 8 4 5

7 8 4 5 6

8 4 5 6 7

1. WAP to print the calendar of that month by accepting month number and name of the first day of the month from user.
2. WAP to Count the total number of notes in a given amount.
3. WAP to replace all vowels from a string with its immediate consonant.
4. Write program to print the word format of a four digit number.

Example:-**3798 is** displayed as - **Three Seven Nine Eight**

1. WAP to find the position of substring in a given string.
2. Count the total number of duplicate elements in an array.
3. Count frequency of each character in a string.
4. Write a menu driven program for the following matrix operations:-
5. Multiplication of two matrix
6. Sum of the upper triangular matrix
7. The sum of each row and column of a matrix.
8. Check the sparse matrix
9. Interchange diagonals of a matrix.
10. . Write a menu driven program (user defined functions ) for the following string operations:-
11. Compare two strings.
12. Toggle case of each character of a string.
13. Reverse order of words in a given string.
14. Remove all repeated characters from a given string.
15. WAP to return multiple values from a function using pointers.
16. Find maximum and minimum elements in an array using recursion.