

APPRENTICESHIP

SET 28 – C Programming Language

(User Defined Functions)

1. Write program to get the principal diagonal elements in array from a function for the passed matrix.
2. Write a program to get the Transpose of a Matrix for the passed matrix from a function.
3. Write a program to check a given matrix is Symmetric or not
4. Write a program to get Trace and normal of a matrix. Put the obtained results into an array and return it for printing in the main.
5. Write a program to find the matrix multiplication using the functions. Return the product matrix to the main function.
6. Write a program to find mean and standard deviation of 5 integers passed through an Array and return both by embedding into an array to main.
7. Write a program to find the Pearson Correlation between the Age and the salary for the given Data in two arrays.
8. Write a program to find the Linear Regression between the hours of Sunshine and Number of Ice cream sold for the given data in two Arrays.
9. WAP to find the factorial of a number.(using recursion fun.)
10. WAP to find sum of following equation. (using recursion fun.)
 $1+2+3+4+5+6+\dots+n.$
