**UNIT 6**

**Theoretical Assignment**

1. Explain in detail about storage class. Write in detail about 4 different storage class.
2. Write one simple example of for-loop. Explain about the steps how it works.
3. Write one simple example of while-loop. Explain about the steps how it works.
4. Write a paragraph and an example of each about strlen(), strcpy(), strcat(), strcmp(), strrev().
5. What is array? How array is different from ordinary variable.
6. How can you prepare a student mark sheets software using the things you’ve learned till now? Give me the list of the things you’ve learned and how can you use it to do what kind of operation to prepare a mark sheet of a student.

**Practical Assignment**

1. WAP a program to read n numbers from user and store in an array and then rearrange the array in the reverse order.
2. WAP a program to read n numbers in an array and remove the duplicate numbers from the array.
3. WAP a program to read two arrays and merge these two arrays into third array.
4. WAP to merge two sorted arrays in another array in a sorted order.
5. WAP to input any 10 numbers in an array and find out the Maximum and Minimum Value.
6. WAP in C to input any 10 numbers in an array and search an element.
7. WAP in C to input 10 numbers and find out even and odd. After finding, please do add odd numbers only and even numbers only separately and display it.
8. WAP to find transpose of a given Matrix
9. WAP in C to take input M\*N from user and find a row sum and column sum

Eg: 2 4 | 6

98 88 | 186

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100 92

1. WAP to find whether the given string is palindrome or not.
2. WAP to input a string and convert it into upper case and vice versa.
3. Write a program to read a string and search a specified word in given string.