

FYBCA Sem – II  
Subject – ‘C’ Programming

1. What is Array? Explain types of Array with example.
2. Write a program to find the intersection & union of two 1D arrays.
3. Write a menu driven program to find the addition, subtraction, multiplication and transpose of matrices.
4. Write a program to accept n integers from user and sort them in ascending order.
5. Define String. Give syntax of declaration and example.
6. Write a menu driven program to perform the string operations strlen(), strcpy(), strcat(), strcmp() (use user defined functions).
7. What is the use of structure?
8. Define structure. Give syntax of declaration and example.
9. Give difference between Array and Structure.
10. Explain nested structure with example.
11. Give difference between structure and union.
12. What is union? Explain memory allocation for the union with suitable example.
13. Write a program to accept the student record having fields rno,name,marks of 5 subjects, total, average. Write functions accept(), display() and calci() to calculate total and percentage.
14. Write program to accept and display the record of employee having members eno, name, salary and date of birth using pointer to structure. (Use nested structure)
15. What is preprocessor? Explain types of preprocessors with example.
16. Write a menu driven program to find maximum of two numbers, minimum of two numbers, addition of two numbers, subtraction of two numbers using macros.
17. Explain file inclusion in preprocessor with example. (i.e. #include)
18. What is the use of File IO in ‘C’ language.
19. Give difference between text file and binary file.
20. Explain the functions fopen() and fclose().
21. Describe all the modes used in fopen().

22. Explain the random file access functions `fseek()` and `ftell()` with syntax and example.
23. Write a program to copy the contents of one file into another.
24. Write a program to write the 5 students records into file, read them from file and display on screen.
25. Explain EOF and `feof()`.
26. Write a program to add two integers using command line arguments.
27. write a program to copy the contents of one file into other character by character using command line arguments.