Alorithm for Generating mark list of N students in a class using array of structures.

1.Define a structure named 'student' with members: name (char array), rollno (int), and marks (int).

2. Declare integer variables: i, n and array of 'student' structs named 'stuarr[100]'

3. Read the number of records they want to store as 'n'.

4. Repeat the step 5 until i<= 'n'
5. Read student's name as 'stuarr[i].name' student's roll number as 'stuarr[i].rollno' and student's marks as 'stuarr[i].marks'.

6 repeat the step 7 until i<='n'
7. Display the student's name, roll number, and marks in tabular format.
8.stop

Algorithm for Write odd and even numbers into two files

1. Declare FILE pointers f1, f2, and f3.
2. Open a file named "DATA" in write mode (w) and assign the file pointer to f1.
3. Set i=1 and repeat the step 4 until i <= 10:
4. Read values from the user as 'number'.
5. If the number is -1, goto step 7
6. Write the number to the file using putw().
7.Close the file f1.
8. Reopen the file "DATA" in read mode (r) and assign the file pointer to f1.
9. Open two new files "ODD" and "EVEN" in write mode (w) and assign their pointers to f2 and f3 respectively.
10.Repeat the step 11 to 14 until EOF (end of file) is reached.
11. Read a number from the file f1 using getw().
12.check number%2 equal to 0 then goto step 13 otherwise goto step14.
13. write it to the "EVEN" file using putw()
14. write it to the "ODD" file.
15. Close the file f1, f2, and f3.
l6. Reopen the "ODD" and "EVEN" files in read mode (r) and assign their pointers to f2 and f3 respectively.

17.Repeat the step 18 until EOF (end of file) is reached.

18. Read a number from the "ODD" file using getw()and Display the number.

19.Repeat the step 20 until EOF (end of file) reach.

20..Read a number from the "EVEN" file using getw() and Display the number.

21. Close the file f2 and f3.

22.stop