LAB-4

Queue Implementation

Algorithm

(1) Include all the headers files which are used in the program and define a constant 'SIZE' with specific value

(2) Declare all the ~~under~~ user defined functions which are used in queue impentation

(3) Create a one dimentional array with above defined size

(4) Define two integers variable (int front = -1 and rear = -1)

(5) The Implement main method by displaying menu of operations list and make suitable functions calls to perform operations

(6) Check wheter queue is full and terminate the function

(7) if it is Not empty, then increment the front value by one (front ++) Then checkwhether both front and rear are equal

(8) Check wheter queue is empty

(9) If it is empty, then display Queue is Empty and terminate the function.

(10) If it is Not empty, then define an integer variable 'i' and set 'i' = front + 1

(11) Display queue value and increment value by one.