

DISK SCHEDULING ALGORITHM

OPERATING SYSTEM LAB

TEAM NO: 11 (READ ME FILE)

TEAM MEMBER'S:

ARYA PATEL 19IT014

BHAVYA SONI 19BIT019

DEVANSHI PATEL 19BIT026

DWARKESH GOHIL 19BIT038

JEEL JAIN 19BIT054

JEET DAVDA 19BIT055

OVERVIEW:

This website demonstrates various types of Disk Scheduling algorithm. User has to enter the current track number and the queue for the algorithm and as output it can be analyzed how the algorithm works with the graph. Moreover this website also includes comparison of seek time between all the six algorithm.

• TECHNICAL SPECIFICATION:

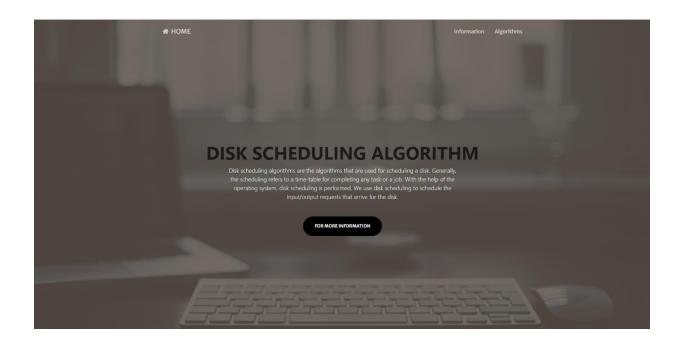
LANGUAGE: HTML, CSS, JavaScript

IDE: VS CODE

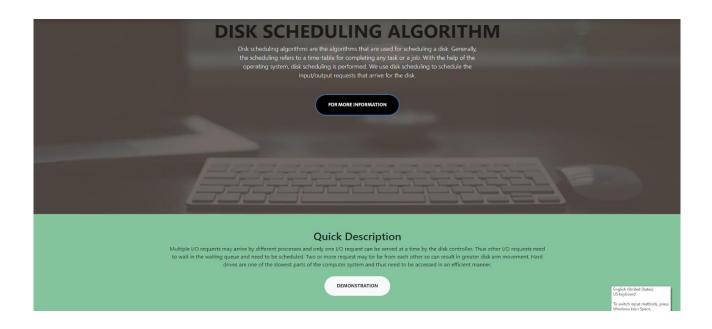
• HOW TO RUN?

Click on https://jeeljain19.github.io/team11/ this link.

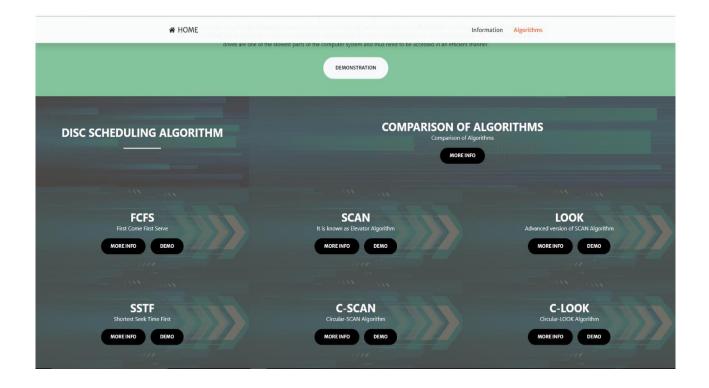
➤ You will be directed to the home page of algorithms (**DISK SCHEDULING ALGORITHM**) dealing with respective situation.



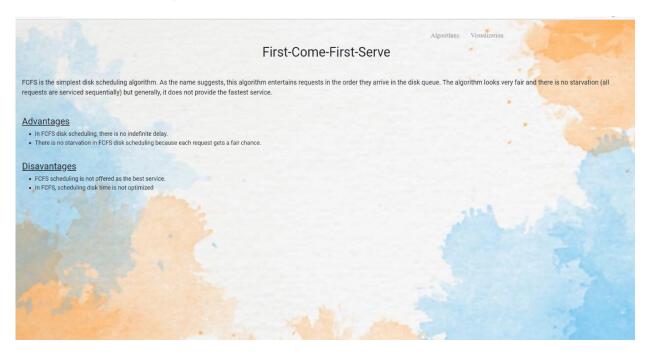
➤ By clicking "Find more information" you would be directed to the information related to Disk Scheduling algorithms



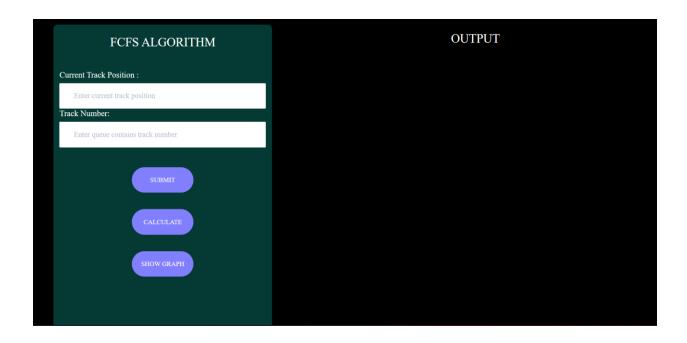
➤ By clicking on "Algorithms" you would be directed to the Algorithms (FCFS, SSTF, LOOK, SCAN, CSCAN Algorithm etc.) as shown below.



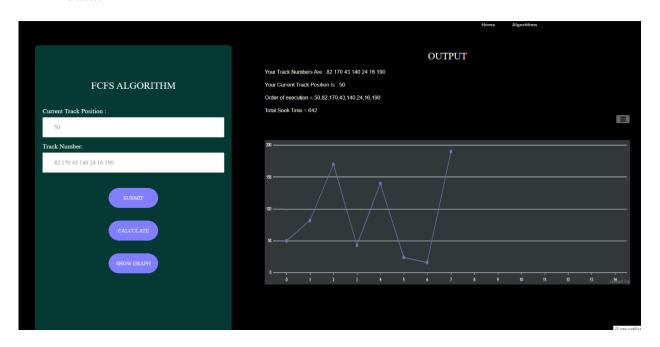
- ➤ In each Algorithm there are two options named as "more info" and "demo".
- ➤ You can select any algorithm you want to run. Let us take an example of FCFS Algorithm. In FCFS Algorithm, as user clicks on "more info" it gets directed to another page .
- ➤ This page includes information about the algorithm along with its advantages and disadvantages.



- > Click on "visualization" given in the navigation bar.
- Now, you would be directed to another page of respective algorithm. This page is designed to demonstrate the implementation of the algorithm.
- ➤ This page requires two inputs "Current Track Position" and "Track Number" from user. After entering the above the data, click on "SUBMIT" to send the data.
- ➤ Next, click on "CALCULATE" to compute the seek time of the given data for respective algorithm.



> At last, clicking on "SHOW GRAPH" it will generate graph for the given data.



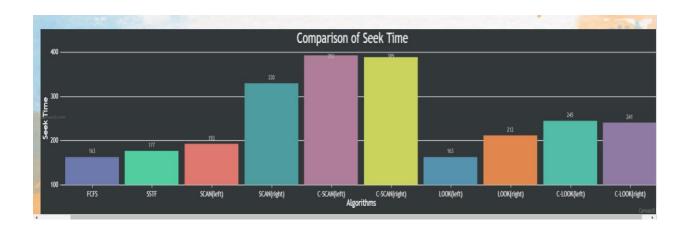
➤ Going back to home page, there is one more option called "COMPARISON OF ALGORITHMS"

➤ By clicking on "MORE INFO", it will direct the user to new page which includes the information related to all the algorithms and their comparison.



➤ By clicking on "**DEMO**", it will direct the user to new page where user can enter the data and see the graph for comparison of all the algorithm based on their seek time.





➤ In the same manner user can implement all types of disk scheduling algorithm and see the graph.