FCFS DISK REPLACEMENT:

// C++ program to demonstrate

// FCFS Disk Scheduling algorithm

#include <stdio.h>

#include <math.h>

int size = 8;

void FCFS(int arr[],int head)

{

int seek\_count = 0;

int cur\_track, distance;

for(int i=0;i<size;i++)

{

cur\_track = arr[i];

// calculate absolute distance

distance = fabs(head - cur\_track);

// increase the total count

seek\_count += distance;

// accessed track is now new head

head = cur\_track;

}

printf("Total number of seek operations: %d\n",seek\_count);

// Seek sequence would be the same

// as request array sequence

printf("Seek Sequence is\n");

for (int i = 0; i < size; i++) {

printf("%d\n",arr[i]);

}

}

//Driver code

int main()

{

// request array

int arr[8] = { 176, 79, 34, 60, 92, 11, 41, 114 };

int head = 50;

FCFS(arr,head);

return 0;

}

OUTPUT:

Total number of seek operations = 510

Seek Sequence is

176

79

34

60

92

11

41

114