**Code:**

#include<stdio.h>

int absoluteValue(int value){

if(value<0) {

value = -1 \* value;

}

return value;

}

int main (){

int distance = 0;

printf("Enter cylinder number where the drive is currently serving:\n”);

int cur;

scanf("%d",&cur);

printf("Enter number of pending requests:\n”);

int n;

scanf("%d",&n);

int queue[n+1];

queue [0] =cur;

printf("Enter cylinder numbers:\n");

for (int i=1; i<sizeof(queue)/4; i++) {

scanf("%d",&queue[i]);

}

for (int i= 0; i<(sizeof(queue)/4)-1; i++) {

distance += absoluteValue(queue[i]-queue[i+1]);

}

printf("\nThe first come first served (FCFS) schedule is :\n");

for (int i =0; i<sizeof(queue)/4;i++){

printf("%d ",queue[i]);

}

printf("\nThe total seek distance(in cylinders) is: %d\n",distance);

return 0;

}