1. Algorithm

Step f. START

Step 2. Include necessary neaders.

Step 8. Déclaire and Initialize necessary vousables

Step 4 Get weer inputs for the total cylinders, current head position, no of request

step 5. If input acquest value > cylinder.
number, display "invalid input".

Step.6. Repeat the following till wer choice

is to confinue.

Step Bon. Display, the menu and get the user choice

Stil 62 if choice: = £ LFCPS)

-Step 6.2.1 - Display the Grequests in the same order as entered

by wer.

Step 6:22 - Each time me value is

displayed subtract he

current value from preceiding value of

request.

Step 6:23 - Display me result of head network

step 6.3 - if choice = 2 (SCAN)

set count and

Position of . O.

Arrange requests

in order

compare he difference

between we nearby

process request using

function absolute.

Step 6.3.3 And count each time with

difference attained from

absolute funtion.

Ship b. 3.4 - Display we result of

head movements

Step b.h of choice

Step bilil - 'Set count and position or

Sup b. 4.2 Arrange ne requests in

order.

sup 6. 4.3 - Cut me difference of

requert pair from function

Step b. h. h - Add up court value each

the with difference

obtained.

Sup 6. 4.5 - Display the result

Step b.s - Get user choice for he prom to continue.

Step 6.6 - Myes, go to step 6. else go to step 7.

SHP 7. STOP

Absolute ()

SUP 1: START

sup 2: calculate différence between each pair of remested cylinders.

Sup 3: Peturn de colculored Illerence

sty u: STOP.

Program

```
#include <stdio.h>
int absolute(int a, int b)
       return -c;
    else
       return c;
int main()
    printf(" DISK SCHEDULING ALGORITHM");
           scanf("%d", &a[i]);
ALGORITHMS\n1.FirstComeFirstServescheduling\n2.SCAN(Elevator)
scheduling\n3.Circular-SCAN scheduling\n");
```

```
case 1:
        printf("%d\t", x);
    break;
case 2:
```

```
printf("%d\t", x);
        printf("%d\t", x);
    printf("%d \setminus t", x);
    break;
case 3:
    printf("Scheduling order:\n%d\t", start);
```

```
break;
} while (choice == 1);
```

Output

