Graphic Era Hill University, Dehradun
(Answer Sheet for Online Examination Aug. 2021)

Please tick (√) your campus: (DEHRADUN/BHIMTAL/HALDWANI)

Name: Mohd. Salman Univ.Roll No. 2093003 Student ID 20051059
Date: 27.08 Course: BSC Branch: IT Sem.: 2 Section:
Subject Name: OS practical Subject Code: Page No.

Q1

```
#include <stdio.h>
int main ()
{ int i, j, sum=0, n;
  int d[20];
  int disk;
  int temp, max;
  int diloc;
  printf ("enter number of location\t");
  scanf ("%d", &n);
  printf ("enter position of head\t");
  scanf ("%d", &disk);
  printf ("enter elements of disk queue\n");

  for (i=0; i<n; i++)
    {
      scanf ("%d", &d[i]);
    }
    d[n] = disk;
    n = n+1;
    for (i=0; i<n; i++)
     {
       for(j=0; i<n; i++)
        {
          if (d[i] > d[j])
           {
             temp = d[i];
             d[i] = d[j];
             d[j] = temp;
           }
```

Signature of Student
Salman
27-08

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```
}
}
max = d[n];
 for (i=0; i<n; i++)
 {
   for (i= dloc; i>=0; i--)
   {
    printf ("%d -->", d[i]);
   }
   printf ("0 -->");
   for (i=dloc+1; i<n; i++)
   {
     printf ("%d -->", d[i]);
   }
   sum=disk+max;
   printf (" movement of total cylinders %d", sum);

   return 0;

 }
```

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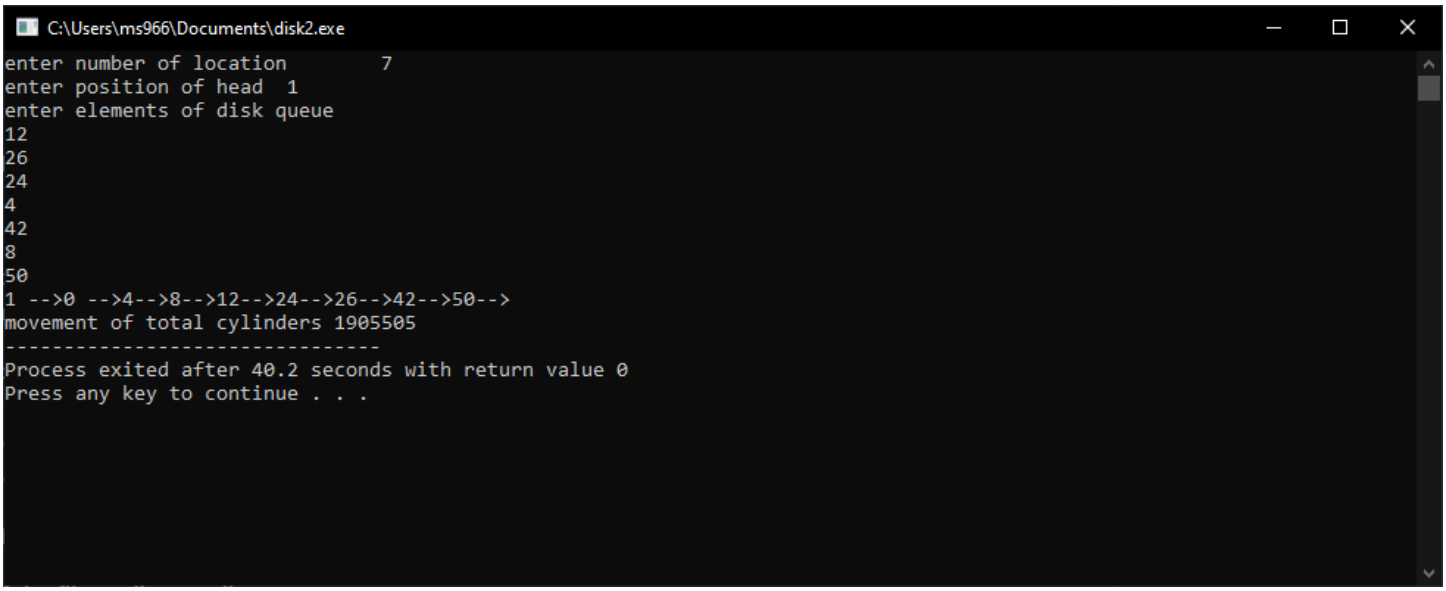
C:\Users\ms966\Documents\disk2.exe
enter number of location 7
enter position of head 1
enter elements of disk queue
12
26
24
4
42
8
50
1 -->0 -->4-->8-->12-->24-->26-->42-->50-->
movement of total cylinders 1905505
Process exited after 40.2 seconds with return value 0
Press any key to continue . . .