Graphic Era Hill University, Dehradun | Practical Exam 2021, Aug |

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Course - BSC IT Section - A Sem - 2 Subj. Name - OS End term Practical

Subject Code - PBI 202 Page No - 01 Signature - Anshika Rana

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Ans-2 - ~~#include<stdio.h>~~
~~int absolutevalue (int);~~
~~int main()~~
~~{~~

~~int queue[25], n, headposition, i, j, k,.~~

```
#include<stdio.h>
#include<conio.h>
  int main()
  {
  int i, j, sum=0, n;
   int d[20];
   int disk, temp, max; dloc;
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=1;j<n;j++)
 {
   if(d[i]>d[j])
  {
   temp=d[i];
   d[i]=d[j];
   d[j]=temp;
  }
 }
}
max=d[n];
for(i=0;i<n;i++){
if(disk==d[i])
 {
    dloc=i;
    break;
 }
}
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("\n Movement of total Cylinders : %d",sum);
getch();
  return 0;
 }
```

Anshika Rana.