```
#include<stdio.h>
#include<conio.h>
int hsort[25],n,i;
void adjust(int,int);
void heapify();
void main()
int temp;
clrscr();
printf("\n\t\t\tHEAP SORT");
printf("\n\t\t\t\t",\n\n\n");
printf("\nenter no of elements:");
scanf("%d",&n);
printf("\nenter elements to be sorted\n\n");
for(i=1;i \le n;i++)
scanf("%d",&hsort[i]);
heapify();
for(i=n;i>=2;i--)
temp=hsort[1];
hsort[1]=hsort[i];
hsort[i]=temp;
adjust(1,i-1);
printf("\nSORTED ELEMENT\n\n");
for(i=1;i<=n;i++)
printf("%d\n",hsort[i]);
getch();
void heapify()
int i;
for(i=n/2;i>=1;i--)
adjust(i,n);
```

```
void adjust(int i,int n)
int j,element;
j=2*i;
element=hsort[i];
while(j \le n)
if((j < n) & (hsort[j] < hsort[j+1]))
j=j++;
if(element>=hsort[j])
break;
hsort[j/2]=hsort[j];
j=2*j;
hsort[j/2]=element;
-->>SAMPLE INPUT AND OUTPUT:
 Enter No Of Elements:5
Enter Elements To Be Sorted
5
4
3
Sorted Element
1
```