

```

1  #include<iostream>
2  using namespace std;
3  main()
4  {
5      //int n=7;
6      //int a[n]={10,20,5,8,25,15,40};
7      int n;
8      cout<<"Enter no of element:";
9      cin>>n;
10     cout<<"Enter element to create Heap:";
11     int *heap = new int[n];
12     for(int i=0;i<n;i++)
13     {
14         cin>>heap[i];
15         if(i>0)
16         {
17             int j=i;
18             int root=(j-1)/2;
19             while(root>=0 && heap[root]<heap[j])
20             {
21                 swap(heap[root],heap[j]);
22                 j=root;
23                 root=(root-1)/2;
24             }
25         }
26     }
27     cout<<"Max Heap is: ";
28     for(int i=0;i<n;i++)
29     {
30         cout<<heap[i]<<"\t";
31     }
32 }
33
34

```