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CLASS: SE COMPUTER
DIV: A
BATCH: B3
ASSIGNMENT NO:10
CODE:-
#include<iostream>
using namespace std;
class Heap
    int n;
    int *minheap,*maxheap;
    public:
    void get();
    void displayMin(){cout<<"Minimum marks are :"<<minheap[0]<<endl;}</pre>
    void displayMax(){cout<<"Maximum marks are:"<<maxheap[0]<<endl;}</pre>
    void upAdjust(bool,int);
};
void Heap::get()
    cout<<"Enter number of students."<<endl;
    cin>>n;
    int k;
    minheap=new int[n];
    maxheap=new int[n];
    cout<<"Enter marks of students."<<endl;</pre>
    for(int i=0;i<n;i++)
        cin>>k;
        minheap[i]=k;
        upAdjust(0,i);
        maxheap[i]=k;
        upAdjust(1,i);
void Heap::upAdjust(bool m,int l)
    int s;
```

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if(!m)
        while(minheap[(I-1)/2]<minheap[I])
             s=minheap[l];
             minheap[l]=minheap[(l-1)/2];
             minheap[(I-1)/2]=s;
             I=(I-1)/2;
             if(l==-1)
                 break;
    else
        while(maxheap[(I-1)/2]>maxheap[I])
             s=maxheap[l];
             maxheap[l]=maxheap[(l-1)/2];
             maxheap[(I-1)/2]=s;
             I=(I-1)/2;
             if(l==-1)
                 break;
main()
    Heap H;
    H.get();
    H.displayMin();
    H.displayMax();
    return(0);
OUTPUT:-
Enter number of students.
5
Enter marks of students.
```

Minimum marks are :92

Maximum marks are:54

=== Code Execution Successful ===