```cpp
#include <iostream>
#define max 100
using namespace std;
class mar
{
public:
    int arr[max], temp, n, left, right, largest,z;
    void create();
    void hfy(int);
};
void mar::hfy(int i)
{
    right = 2 * i + 2;
    left = 2 * i + 1;
    largest = i;
    if (left < n && arr[left] > arr[largest])
    {
        largest = left;
    }
    if (right < n && arr[right] > arr[largest])
    {
        largest = right;
    }
    if (i != largest)
    {
        temp = arr[i];
        arr[i] = arr[largest];
        arr[largest] = temp;
        hfy(largest);
```

```cpp
    }
}
void mar::create()
{
    cout << "Enter the number of students:=" << endl;
    cin >> n;
    for (int i = 0; i < n; i++)
    {
        cout << "Enter the marks for student no." << i + 1 << " :=" << endl;
        cin >> arr[i];
    }
        for (int i = (n / 2) - 1; i >= 0; i--)
        {
            hfy(i);
        }
        z=n;
    for(int i=n-1;i>=0;i--){
        temp=arr[i];
        arr[i]=arr[0];
        arr[0]=temp;
        n--;
        hfy(0);
    }
    cout<<"Maximum marks obtained in the subject:="<<endl;
    cout<<arr[z-1]<<endl;
    cout<<"Minimum marks obtained in the subject:="<<endl;
    cout<<arr[0]<<endl;

}
```

```
int main()
{
    mar ab;
    ab.create();
    return 0;
}
```