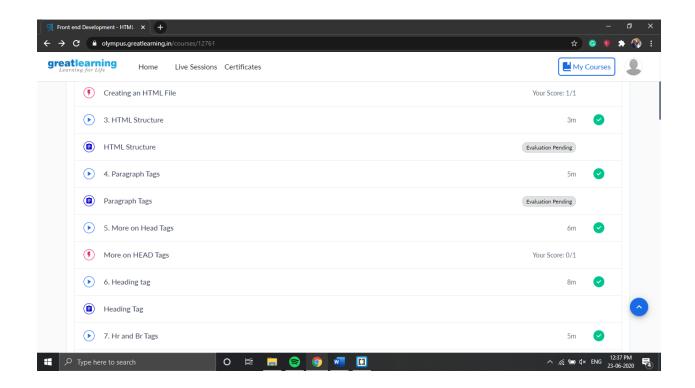
DAILY ONLINE ACTIVITIES SUMMARY

| Date: | 23-06-2020 | | Name: | Nayan. P. Joshi | |
|---|------------|------------------------|-----------|-----------------|------|
| Sem & Sec | 8th Sem A | | USN: | 4AL16CS058 | |
| Online Test Summary | | | | | |
| Subject | | | | | |
| Max. Marks | | | Score | | |
| Certification Course Summary | | | | | |
| Course Front end Development - HTML | | | | | |
| Certificate Provider | | Great learning academy | Duration | | 6hrs |
| Coding Challenges | | | | | |
| Problem Statement: Write a C Program to Sort a stack using a temporary stack | | | | | |
| Status: Solved | | | | | |
| Uploaded the report in GitHub | | | yes | | |
| If yes Repository name | | | nayan1998 | | |
| Uploaded the report in slack | | | yes | | |



Write a C Program to Sort a stack using a temporary stack

```
#include <bits/stdc++.h>
using namespace std;
stack<int> sortStack(stack<int> &input)
     stack<int> tmpStack;
     while (!input.empty())
          int tmp = input.top();
          input.pop();
          while (!tmpStack.empty() && tmpStack.top() > tmp)
               input.push(tmpStack.top());
               tmpStack.pop();
          tmpStack.push(tmp);
     }
     return tmpStack;
}
int main()
\left\{ \right.
     stack<int> input;
     input.push(34);
```

```
input.push(3);
input.push(98);
input.push(92);
input.push(23);

stack<int> tmpStack = sortStack(input);
cout<<"Numbers before Sorting are\n";
cout<<"34 3 31 98 92 23\n";
cout << "Sorted numbers are:\n";

while (!tmpStack.empty())
{
    cout << tmpStack.top()<< " ";
    tmpStack.pop();
}
</pre>
```