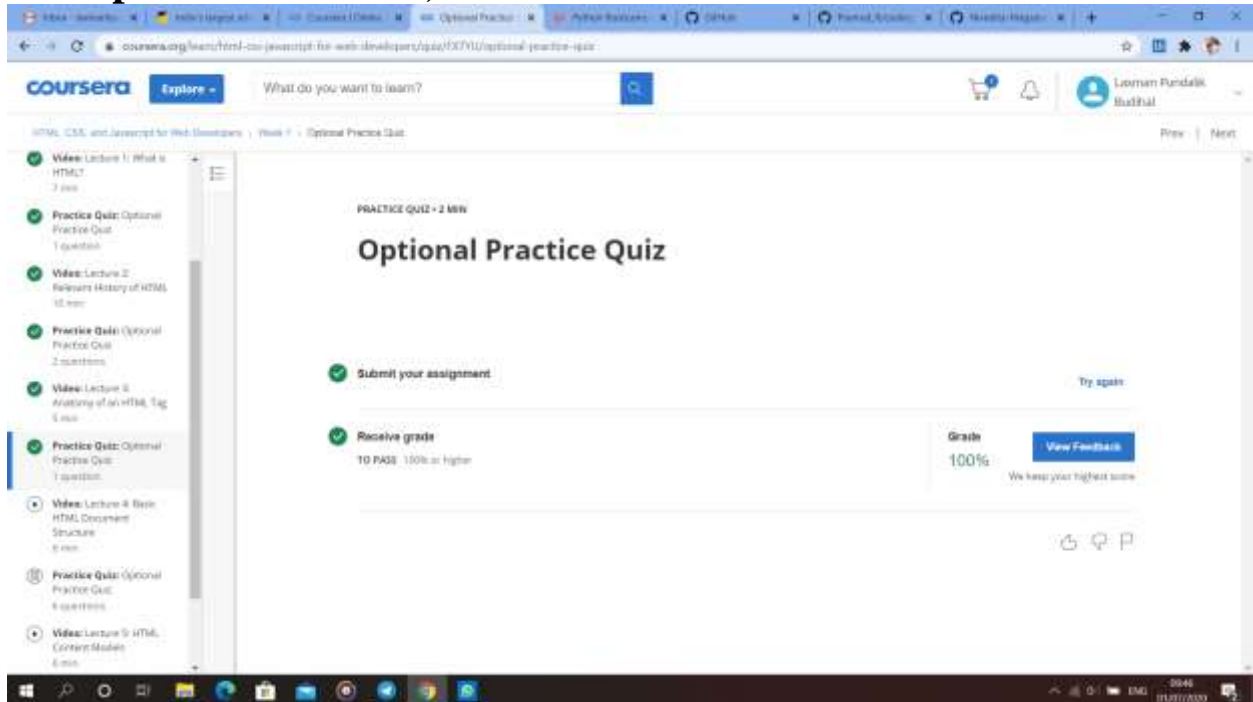


DAILY ONLINE ACTIVITIES SUMMARY

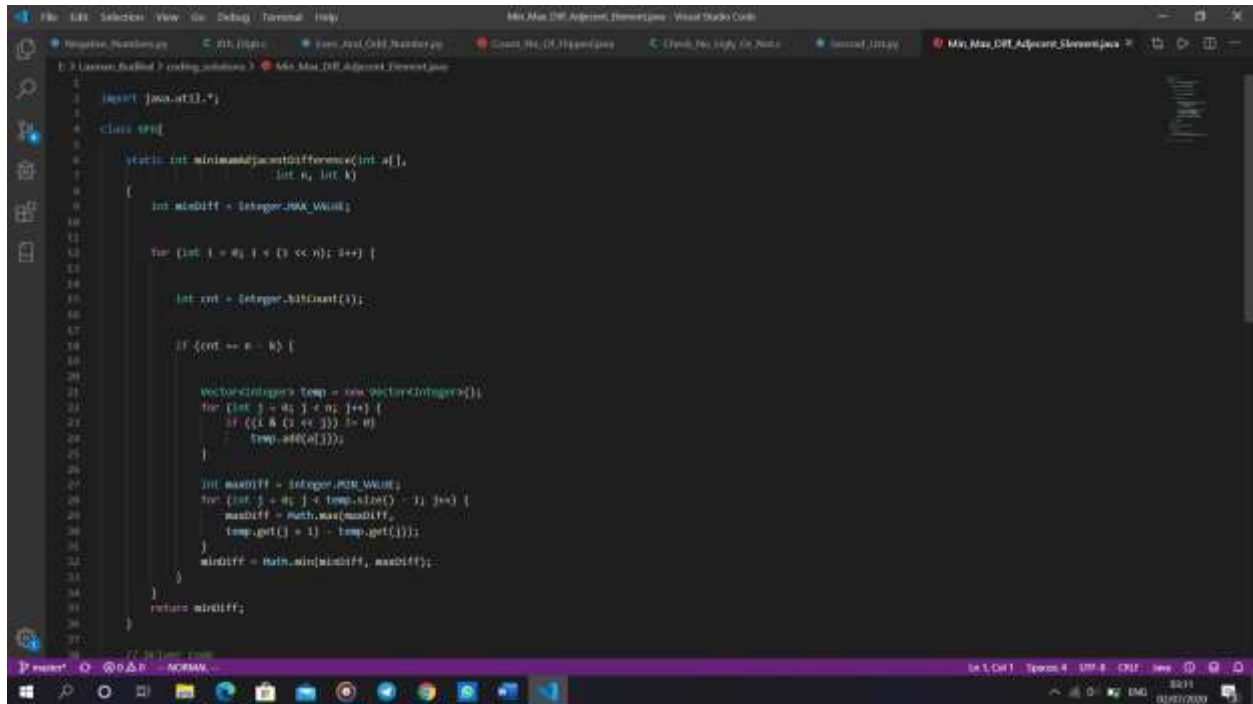
| | | | |
|--|--|---|-------------------------|
| Date: | 02/07/2020 | Name: | Laxman Pundalik Budihal |
| Sem & Sec | 4 rd sem (A sec) | USN: | 4AL18CS043 |
| Online Test Summary | | | |
| Subject | - | | |
| Max. Marks | - | Score | - |
| Certification Course Summary | | | |
| Course | HTML, CSS, and Javascript for Web Developers | | |
| Certificate Provider | Coursera | Duration | 15 hours |
| Coding Challenges | | | |
| Problem Statement: Write a Java Program minimize the maximum difference between adjacent elements in an array | | | |
| Status: Completed | | | |
| Uploaded the report in GitHub | | YES | |
| If yes Repository name | | https://github.com/alvas-education-foundation/Laxman_Budihal | |
| Uploaded the report in slack | | YES | |

Certification Course Details: (Attach the snapshot and briefly write the report for the same)



The today's topic is about HTML, CSS, and Javascript for Web Developers

Coding Challenges Details: (Attach the snapshot and briefly write the report for the same)



```
1 import java.util.*;
2
3 class SPQ {
4
5     static int minimizeAdjacentDifference(int a[],
6         int n, int k)
7     {
8         int mindiff = Integer.MAX_VALUE;
9
10        for (int i = 0; i < (n << n); i++) {
11
12            int cnt = Integer.bitCount(i);
13
14            if (cnt == n - k) {
15
16                Vector<Integer> temp = new Vector<Integer>();
17                for (int j = 0; j < n; j++) {
18                    if ((i & (1 << j)) != 0)
19                        temp.add(a[j]);
20                }
21
22                int maxdiff = Integer.MAX_VALUE;
23                for (int j = 0; j < temp.size() - 1; j++) {
24                    maxdiff = Math.max(maxdiff,
25                        temp.get(j) - temp.get(j+1));
26                }
27                mindiff = Math.min(mindiff, maxdiff);
28            }
29        }
30        return mindiff;
31    }
32 }
```

The question I took to code is: Write a Java Program minimize the maximum difference between adjacent elements in an array