

DAILY ONLINE ACTIVITIES SUMMARY

Date:	13-06-2020	Name:	M.C Suchithra Heggade
Sem & Sec	6 'A'	USN:	4AL17CS047
Online Test Summary			
Subject	Python		
Max. Marks	30	Score	29
Certification Course Summary			
Course	Front end Development-HTML		
Certificate Provider	Great Learning	Duration	5 hr
Coding Challenges			
1.Electricity Bill Write a C Program to calculate Electricity Bill.			
2.Non repeated character How to find the first non repeated character of a given String.			
3.Sparse Matrix Write a Java Program to determine whether a given matrix is a sparse matrix.			
Status: Completed			

Uploaded the report in Github	yes
If yes Repository name	https://github.com/Suchitraheggade/certification-and-Online-coding
Uploaded the report in slack	yes

Online Test Details:

Python:

Test Completed!
You have successfully participated in PAP IA 4 Test.

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Results Analytics

✓ Round1
Your Score **29** / 30

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13-06-2020 11:11

Certification Course Details:

Topics completed:

Introduction to Input Elements

More on Input Elements

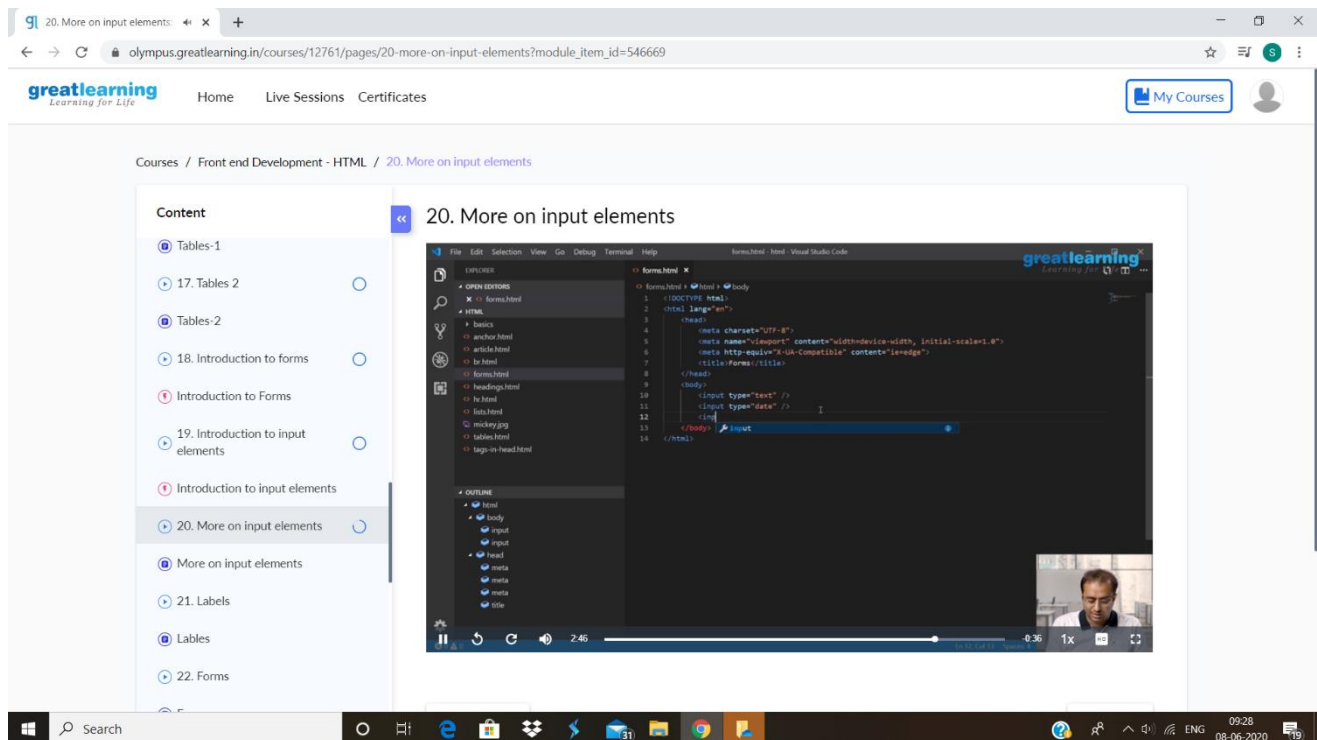
The screenshot shows a web browser window with the Great Learning website. The address bar displays the URL: `olympus.greatlearning.in/courses/12761/pages/19-introduction-to-input-elements?module_item_id=546667`. The website header includes the Great Learning logo, navigation links (Home, Live Sessions, Certificates), and a 'My Courses' button. The main content area shows a video player for the course '19. Introduction to input elements'. On the left, a 'Content' sidebar lists various topics, with '19. Introduction to input elements' highlighted. The video player shows a man speaking, with a progress bar at 2:08 and a total duration of 8:11. The Windows taskbar at the bottom shows the time as 09:23 on 08-06-2020.

19. Introduction to input elements

Content

- Ordered Lists
- 16. Tables 1
- Tables-1
- 17. Tables 2
- Tables-2
- 18. Introduction to forms
- Introduction to Forms
- 19. Introduction to input elements
- Introduction to input elements
- 20. More on input elements
- More on input elements

2:08 / 8:11



Coding Challenges Details:

1.Electricity Bill

Write a C Program to calculate Electricity Bill.

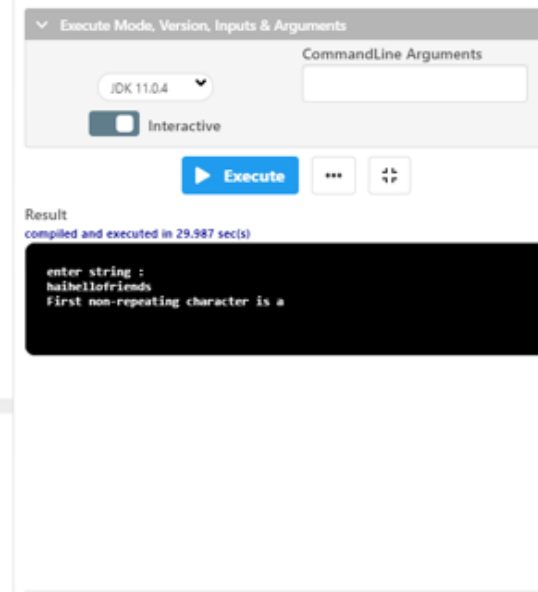
```
Enter total units consumed: 250
Electricity Bill = Rs. 3500.00

...Program finished with exit code 0
Press ENTER to exit console
```

2. Non repeated character

How to find the first non repeated character of a given String.

```
import java.util.*;
public class GFG {
    static final int NO_OF_CHARS = 256;
    static char count[] = new char[NO_OF_CHARS];
    static void getCharCountArray(String str)
    {
        for (int i = 0; i < str.length(); i++)
            count[str.charAt(i)]++;
    }
    static int firstNonRepeating(String str)
    {
        getCharCountArray(str);
        int index = -1, i;
        for (i = 0; i < str.length(); i++) {
            if (count[str.charAt(i)] == 1) {
                index = i;
                break;
            }
        }
        return index;
    }
    public static void main(String[] args)
    {
        Scanner sc = new Scanner(System.in);
        System.out.println("enter string : ");
        String str = sc.next();
        int index = firstNonRepeating(str);
        System.out.println(
            index == -1
            ? "Either all characters are repeating or string "
              + "is empty"
            : "First non-repeating character is "
              + str.charAt(index));
    }
}
```



3. Sparse Matrix

Write a Java Program to determine whether a given matrix is a sparse matrix

```
import java.util.*;
public class SparseMatrix
{
    public static void main(String[] args) {
        int rows, cols, size, count = 0, i, j;
        int a[][] = new int[10][10];
        Scanner sc = new Scanner(System.in);
        System.out.println("enter num of rows and column:");
        rows = sc.nextInt();
        cols = sc.nextInt();
        System.out.println("Enter " + (rows * cols) + " Array Elements : ");
        for (i = 0; i < rows; i++)
        {
            for (j = 0; j < cols; j++)
            {
                a[i][j] = sc.nextInt();
            }
        }
        System.out.print("The Array is :\n");
        for (i = 0; i < rows; i++)
        {
            for (j = 0; j < cols; j++)
            {
                System.out.print(a[i][j] + " ");
            }
            System.out.println();
        }

        size = rows * cols;
        for (i = 0; i < rows; i++) {
            for (j = 0; j < cols; j++) {
                if (a[i][j] == 0)
                    count++;
            }
        }

        if (count > (size / 2))
            System.out.println("Given matrix is a sparse matrix");
        else
            System.out.println("Given matrix is not a sparse matrix");
    }
}
```

