# CSE 302: Web Programming Lab
## Lab Performance - 4
### Topic: Basic Javascript

1. In this problem, you need to take an input n using the HTML button and You need to print out the Fibonacci series from 0 to n.                    [6 Marks]

   N.B: You need to print out the output in the following format. Otherwise, you will not get full marks.

   | Sample Input | Sample Output |
   | --- | --- |
   | 3 | 0 1 1 |
   | 5 | 0 1 1 2 3 |
   | 10 | 0 1 1 2 3 5 8 13 21 34 |

2. In this problem, you need to take three arrays. One array contains the name of some students, an array containing the CGPA of the final semester and another array contains the CGPA of the 1st semester of those students.  The size of each array should be the same. You need to print out the list of the students and their CGPA for the final semester and the 1st semester by sorting their CGPA according to the final semester in descending order. If the CGPA of the final semester of two students are the same,  then you need to sort according to the CGPA of the 1st semester in descending order.
   [8 Marks]
   N.B: You need to print out the output in the following format. Otherwise, you will not get full marks.

   | Sample Input | Sample Output |
   | --- | --- |
   | ["Yash", "Nabila", "Suman", "Sinthia"]<br>[3.89, 3.89, 3.60, 3.75]<br>[4.00, 3.96, 3.34, 3.9] | Yash -- 3.89 -- 4.00<br>Nabila -- 3.89 -- 3.96<br>Sinthia -- 3.75 -- 3.9<br>Suman -- 3.60 -- 3.34 |

3. In this experiment, you need to create a form similar to the form shown in Fig 1 and show the output similar to Fig 2 by using the inputs that you have taking using the forms shown in Fig 1.                    [11 Marks]

a) For the name, university field Educational Institue of SSC and HSC, you have to use input type = text.
b) For the ID field, SSC GPA, and HSC GPA, you have to use the input type number.
c) When you have clicked on the submit
   i) If the Name, ID, and University field, you need to show an alert.
   ii) If the SSC and HSC are less than 0 and greater than 5, You need to show that alert "You need to provide GPA within 0 to 5".
d) After taking all the inputs for all the fields in the form, you need to show the output similar to Fig. 2.

[N.B: You need to print out the output in the following format. Otherwise, you will not get full marks.]

**Enter your Name :** Palash Roy

**Enter your ID :** 12

**Enter your University Name :** ঢাকা বিশ্ববিদ্যালয়

*Educational Informations*

**HSC Information :**

**Educational Institute:** ABC School

**HSC GPA:** 5

**SSC Information :**

**Educational Institute:** DEF School

**SSC GPA:** 5

**Programming Language**

☑ C
☑ C++
☑ Python
☐ JAVA
☐ HTML
☐ OTHERS
[Submit]

***Fig 1: Input Form***

# Personal Information

Student Name: Palash Roy
Student ID: 12
University Name: ঢাকা বিশ্ববিদ্যালয়

## Educational Information

| Degree | Institue | Result |
|--------|----------|--------|
| SSC | ABC School | 5 |
| HSC | DEF School | 5 |

Proficiency in Programming Language: C, C++, Python,

***Fig 2: Personal Information***