**Bahria University, Lahore Campus**

Department of Computer Sciences

Lab Journal 05

**(Spring 2023)**

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| Course: | **Computer Architecture & Organization Lab** |  |
| Course Code: | CEL 221 | Max Marks: 30 |
| Faculty’s Name: | Maryam Munawar | Lab Engineer: |

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enroll No: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

## Lab Tasks:

### Task1: 5 Minutes

Write down a MIPS program that utilizes the max function.

### Task2: 5 Minutes

## Write a program to convert Fahrenheit to Celsius using the formula below:

## Fahrenheit = Celsius \* 9.0 / 5.0 + 32.0;

## Write a function for this temperature conversion. Celsius value is be passed into the function as single-precision data and Fahrenheit value is returned also in single-precision. Remember to follow all the floating-point function conventions.

### Task3: 5 Minutes

Write a program to get marks as input from user and calculate GPA as per HEC policy.

**Lab Grading Sheet :**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task** | **Max Marks** | **Obtained Marks** | **Comments(*if any*)** |
| a. | 5 |  |  |
| b. | 5 |  |  |
| c. | 5 |  |  |
|  |  |  |  |
| **Total** | **15** |  | **Signature** |

**Note : Attempt all tasks and get them checked by your Instructor**