**COMSATS University Islamabad, Islamabad campus**

**Department of Computer Science**

**LAB ASSIGNMENT #4**

**FALL 2021**

Answer to all questions must be submitted in MS Word.  
Answer to all questions should begin on new page.  
Assignment document must contain a title page showing Assignment-1, your name and  
registration number.  
Assignment document must also contain JAVA source code (For JAVA Programming Questions)  
along with output.  
Solution to JAVA Programming problems must be created in separate .java file (for each  
question). For example, Question1.java  
You must follow proper JAVA naming convention for identifiers and properly document your  
source code  
Combine all your work in one folder. The folder must contain .JAVA source files (for JAVA  
Programming Questions) and a .doc/.docx file.  
Name of the Assignment document file should be your Registration Number. E.g.  
FA21BCS01.docx  
Submit your work via MS Teams

**QUESTION #1 (CLO-3)**

Write a Java program to keep accepting names and marks of students from user until a negative number is entered against marks. Save this data in a text file having name ‘students.txt’.

**QUESTION #2 (CLO-3)**

Write another program to read all the data from the file ‘students.txt’ created in Q1 above. Display this data in descending order according to their marks.

**QUESTION #3 (CLO-3)**

Suppose the weekly hours for all employees are stored in a two-dimensional array. Each row records an employee’s seven-day work hours with seven columns. For example, the following array stores the work hours for eight employees. Write a program that displays employees and their total hours.

