

# Programming Language – II

## Project-3

Due Date: 29/04/2022 23:59

### Text File Processing

We have a text file names as “**Grades.csv**” whose content is as follows (and attached in the Project)

```
Index;StdNo;Name;Surname;Class;Midterm;Project;Final
1;210408003;MUHAMMED;SAVAS;1;84;80;82
2;210408007;ALI UGUR;GUMUSLU;1;50;95;82
3;210408011;ZEYNEP;ESKI;1;40;80;70
4;210408018;SEMA;SEREE;1;36;90;66
*****
```

- a) By using this file You need to write a Java program to generate the following file which adds “**Average**” and “**Letter**” grade values to the file named as “**Letter.csv**”  
(30 Percent of Midterm, 30 Percent of Project and, 40 Percent of Final should be taken for calculating the Average)

```
Index;StdNo;Name;Surname;Average;Letter
1;210408003;MUHAMMED;SAVAS;82;BB
2;210408007;ALI UGUR;GUMUSLU;76,3;BB
3;210408011;ZEYNEP;ESKI;64;CC
4;210408018;SEMA;SEREE;64,2;CC
*****
```

#### a) Letter Grades

<u>Letter</u>	<u>Over 4</u>	<u>Grade</u>
AA	4,00	90-100
BA	3,50	85-89
BB	3,00	75-84
CB	2,50	70-74
CC	2,00	60-69
DC	1,50	55-59
DD	1,00	50-54
FF	0,00	0-49

- b) and then please generate same text file as ordered form **(according to average grade from greatest to lowest)** as follows into file **“Ordered.csv”**

```
Index;StdNo;Name;Surname;Average;Letter
8;210408044;MAHMUT ALPEREN;€AVUS;95,3;AA
10;210408908;ALI;DAGHIGHI;94,5;AA
13;210408916;RAGHAD;ABUSNAYMA;89,4;BA
9;210408902;BEHNAM;LAL MOGHADDAM;87,7;BA
14;210408919;MAYA;ALTELL;84;BB
*****
```