Introduction to Computers and Programming

Lab 3 (Week 4)

Due date: 2019/10/8 (Thu.) 23:55

1. Write a program that shows the distinct alphabets in a word (within 10 characters and only in lower-case) in alphabetic order and count the number of each distinct alphabet.

Input:

```
Enter a word: apple
```

Output:

```
The distinct alphabets
a:1
e:1
l:1
p:2
```

2. Write a program that reads a 5x5 array of integers and then prints the row sums and the column sums.

Input:

```
Enter row 1: 8   3   9   0   10
Enter row 2: 3   5   17  1   1
Enter row 3: 2   8   6   23  1
Enter row 4: 15  7   3   2   9
Enter row 5: 6   14  2   6   0
```

Output:

```
Row totals: 30 27 40 36 28
Column totals: 34 37 37 32 21
```