

# **Foundations of Technical Programming**

## **Week 7**

### **HD Task**

You may be asked to demonstrate/explain your work to the tutor, if you are absent/unavailable or fail to demonstrate properly, zero marks will be awarded.

**Reminder:**

**You must analyse each questions by identifying the input, output and the process.  
Your submissions should have C-program and the screenshot of the output.**

**Task HD 7. 1**

Create a character array of size 200 and a two-dimensional character array of 10 rows and 20 columns.

Read a string with  $\leq 10$  words and each word not exceeding 19 characters into the single dimensional array.


Example: (This is a single-dimensional array. Due to space limitation it is shown in two rows).


Extract each word from the one-dimensional array and place it in separate rows in the two-dimensional array.

Example


Print the contents of the two-dimensional array

Attach the output screen shot as shown below

 MINGW32:/c/COS10008

```
Sara@DESKTOP-5I2SSJH /c/COS10008
$ out1
Enter a string ...
we are going to see the moon
String after extraction ...
The content of row 1 = we
The content of row 2 = are
The content of row 3 = going
The content of row 4 = to
The content of row 5 = see
The content of row 6 = the
The content of row 7 = moon
```