



**Sri Lanka Institute of Information Technology**  
**B. Sc (Hons). Degree in IT**  
**Year 1 – Semester 1 – 2020 – June Intake**  
**Introduction To Programming ( IT1010)**  
**Online 3**  
**Version A**

**Time : 30 min**

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A company wants their customers to rate their services from 1 to 5. They wish to summarize the number of responses from their customers using an array. Array element 0 store the number of response for rate 1. Array element 1 store the number of response for rate 2 and so on. Write a C program to do the following:

- Declare an one dimensional integer array called **rate** of size 5.
- Initialize all the array elements to zero.
- Read the ratings (number between 1 to 5) from the keyboard. Store the number of responses for each rate in the array. You should read the responses until user input -1. If the user input a number less than 1 or greater than 5 , display an error message.  
Input format:

Pls input the service rating (1- 5): 2  
Pls input the service rating (1- 5): 1  
Pls input the service rating (1- 5): 4  
Pls input the service rating (1- 5): 4  
Pls input the service rating (1- 5): -1

- Display the number of response from each rating.

| Rating | Number of response |
|--------|--------------------|
| 1      | 1                  |
| 2      | 1                  |
| 3      | 0                  |
| 4      | 2                  |
| 5      | 0                  |

Save your program as ITXXXXXX.c