

Question paper (build 07.05.20.19)

- Step 3: Prepare to submit the answer:
  - For each question (e.g., question 1), please create two sub-folders: **run** and **src**.
  - Copy \*.exe file into the **run** folder, \*.c file into the **src** folder.
- Step 4: Submit a solution for each question:
  - Choose question number (e.g., 1) in PEA software, and then attach the corresponding solution folder (e.g., 1). Click Submit button to finish submitting this question.

**Notes**

- Solutions will be marked by Automated Marking Software.
- The use of tools other than those allowed in the above section whether intentionally or unintentionally, is considered a violation of the exam rules, and the score is 0

=====

**(2 marks)**

The given file Q1.c already contains statements to input two positive integers **n** and **m**, print two value: the greatest common divider (GCD) and the least common multiple (LCM) of **n** and **m**.

**Notes:**

- Do not edit given statements in the **main** function.

2 of 2      Paper No: 1

**Sample input and output:**

Input:  
Please enter two positive integer **n** and **m** to find GCD, LCM: 4 6

Output for marking:  
OUTPUT:  
2      12

Zoom 99%

30°C  
Cà Mau

10:36 AM  
7/16/2022

Question paper (build 07.05.20.19)

2 of 2      Paper No: 1

**Sample input and output:**

Input:  
Please enter two positive integer **n** and **m** to find GCD, LCM: 4 6

Output for marking:  
OUTPUT:  
2      12

**Question 2:**

**(3 marks)**

The given file Q2.c already contains statements to input a variable **n**. You should write statements so that print the reverse number of **n**

**Notes:**

- You can create new function(s) if you see it is necessary.
- Do not edit given statements in the **main** function.

**Sample input and output:**

Input: **n** = 1234  
After processing: result = 4321

Output for marking:  
OUTPUT:  
4321

**Question 3:**

**(2 marks)**

The given file Q3.c already contains statements to input a array of interger. You should write statements so that count all the prime number in array.

**Notes:**

Zoom 111%

30°C  
Cà Mau

10:37 AM  
7/16/2022

Question paper (build 07.05.20.19)

**Question 3:**  
**(2 marks)**  
The given file Q3.c already contains statements to input a array of integer. You should write statements so that count all the prime number in array.

**Notes:**  
- Do not edit given statements in the main function.

**Sample input and output:**  
Input:

3 of 3 Paper No: 1

How many elements do you want to enter into the integer array? [1..100] 5

a[0] = 3  
a[1] = 4  
a[2] = 2  
a[3] = 8  
a[4] = 7

Output for marking:  
OUTPUT:  
3

Zoom 111%

30°C  
Cà Mau

10:38 AM  
7/16/2022

Question paper (build 07.05.20.19)

a[2] = 2  
a[3] = 8  
a[4] = 7

Output for marking:  
OUTPUT:  
3

**Question 4:**  
**(3 marks)**  
The given file Q4.c already contains statements to input a string. You should write statements so that count the digits of its

**Notes:**  
- Do not edit given statements in the main function.

**Sample input and output:**  
Input:  
Please enter a string: Hello123

OUTPUT:  
3

Zoom 111%

30°C  
Cà Mau

10:38 AM  
7/16/2022