



Department of Computer Science and Engineering
Academic Year 2022 – 2023 (Even Semester)

Degree, Semester & Branch: II Semester B.E. CSE ‘A’

Course Code & Title: CS3251 Programming in C

Name of the Faculty member (s): Mrs.B.Vijayalakshmi, AP (SG)/CSE

Innovative Practice Description

- **Unit / Topic: Unit III / Pointers, Pointer operators**

- **Course Outcome: CO3**

- **Topic Learning Outcome: TLO8**

- **Activity Chosen: Reflection**

- **Justification:**

For understanding the memory address and its accessing pointers concept should be understood clearly. Reflection is the method of assessing how well the students understand a particular concepts and identify their doubts about the particular topic.

- **Time Allotted for the Activity: 10 Minutes**

- **Details of the Implementation:**

- The activity was conducted at the end of the class after discussing about the pointer basics and pointer operator concepts for a duration of 10 minutes.
- Some basic coding questions about the pointer operators were given for them to work out and discussed.
- After that the students were asked to write their doubts or understanding level of the topic.
- Figure 1 shows the sample reflections given by the students.
- After collecting all the responses from the students, the common doubts were clarified in the next session.

- **CO – PO / PSO mapping:**

CO	PO1	PO2	PO3	PO4	PO5	PO8	PO9	PO10	PO12	PSO1	PSO2	PSO3
CO3	3	2	1	1	2	1	1	1	1	3	1	1

(1 – Low 2 – Moderate 3 – High)

- **PO / PSO mapped:**

Innovative practice	PO1	PO2	PO3	PO9	PSO1	PSO2	PSO3
	3	2	1	1	3	1	1
Justification for correlation	The basic knowledge about pointer is needed	The students analyze how to	The students find solutions to the	The students think individually and write their doubts	Able to apply the pointer concept is in	The concept is used in security applications	The concept is used in solving

		access memory.	pointer problems.		developing the software		AI problems
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- **Images / Screenshot of the practice:**

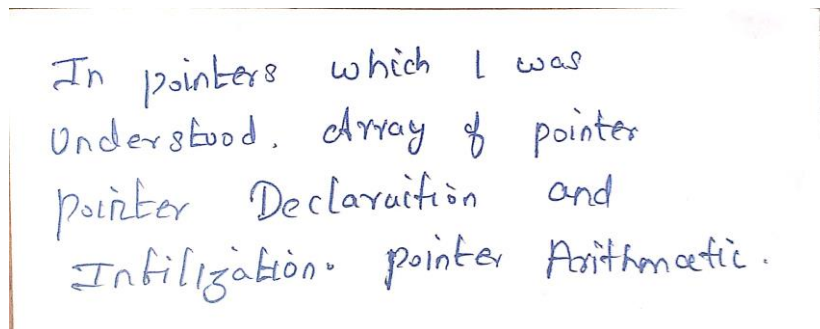
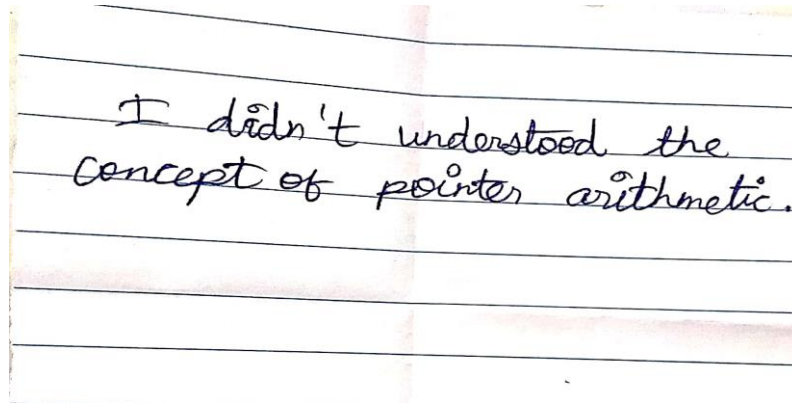


Fig 1: Samples written by the students

- **Reflective Critique:**

- ❖ **Feedback of practice from students and other stakeholders:**

- The students were given the opportunity to assess themselves and highlight any areas in which they required more explanation. The subtopic that many students found unclear was easy to recognize.

- ❖ **Benefit of the practice:** (E.g.: Outcome attainment would have increased due to innovative practice over conventional practice)

- It helps the students to recollect and find out what they didn't understand and get the opportunity to clarify their doubts.

- ❖ **Challenges faced in implementation:**

- It is difficult to get the overall feedback since some of the students are not willing to write their doubts.

References:

- ❖ https://www.ritrjpm.ac.in/images/computer-science/2022-2023/1.KVS_Reflection_FDS.pdf
- ❖ <https://www.skillsyouneed.com/ps/reflective-practice.html>

Signature of Faculty Member

HOD