



# ST FRANCIS DE SALES COLLEGE

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A FRANSALIAN INSTITUTE OF HIGHER LEARNING

## Bug-Bee: Coding & Debugging Feb- 2020

**Date:** 18 February 2020

**Venue:** Class room no 302.

**Time:** 1: 20 Pm to 2:10 Pm

**Class activity .**

**Participants:** BCA IV Sem (68 students).

**Organised By:** Sailaja .M Department of Computer science, St. Francis de Sales College, Electronic city, Bengaluru .

Debugging is an essential element of learning to program. In this lesson, students will encounter puzzles that have been solved incorrectly. They will need to step through the existing code to identify errors, including missing blocks, extra blocks, and misordered blocks.

### LESSON OBJECTIVES

Students will:

- Predict where a program will fail
- Modify an existing program to solve errors
- Identify an algorithm that is unsuccessful when the steps are out of order.

### GETTING STARTED

Introduction

Ask students about problems they solve in everyday life.

- How do you fix something that isn't working?
- Do you follow a specific series of steps?

- The puzzles in this unit have already been solved for you (yay!), but they don't seem to be working (boo!)
- We call the problems in these programs "bugs," and it will be your job to "debug" them.

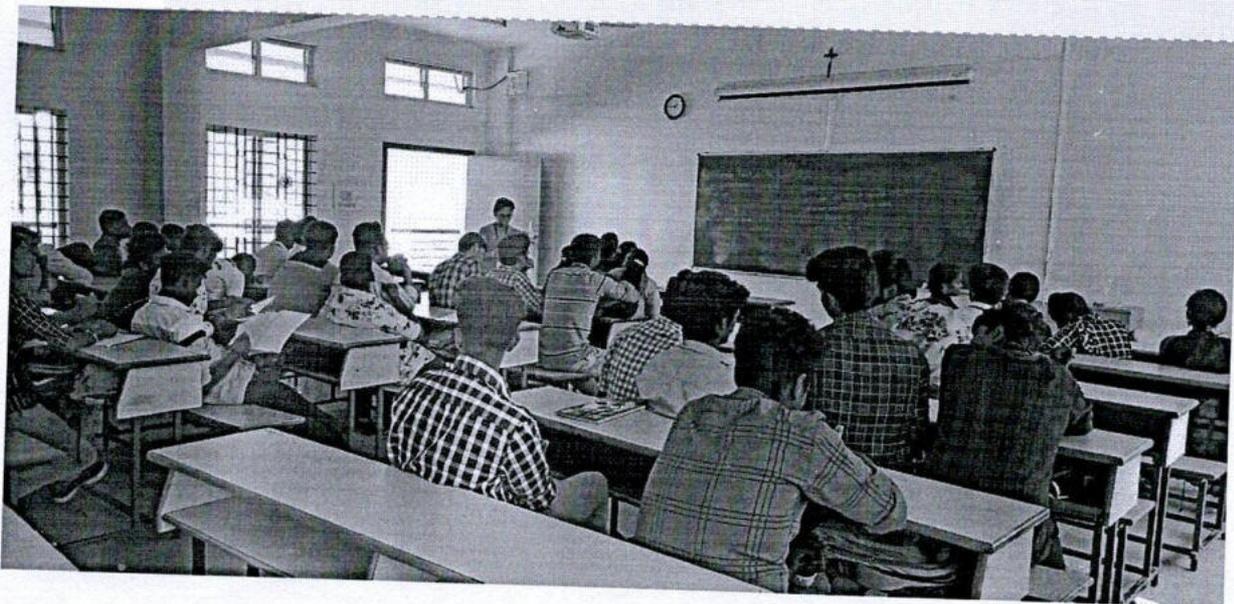
**ACTIVITY:**

Students were given set of program codes , they had to identify the error and give reason for the same , and then discussion on the same .

**Question 1:** Point out the error in the program?

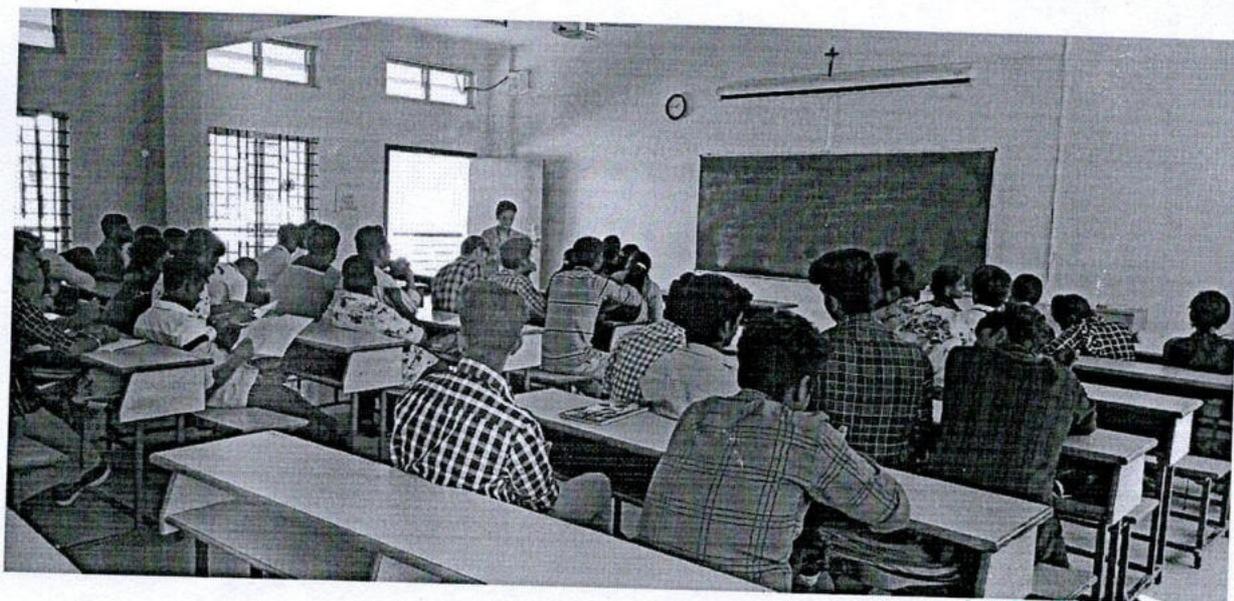
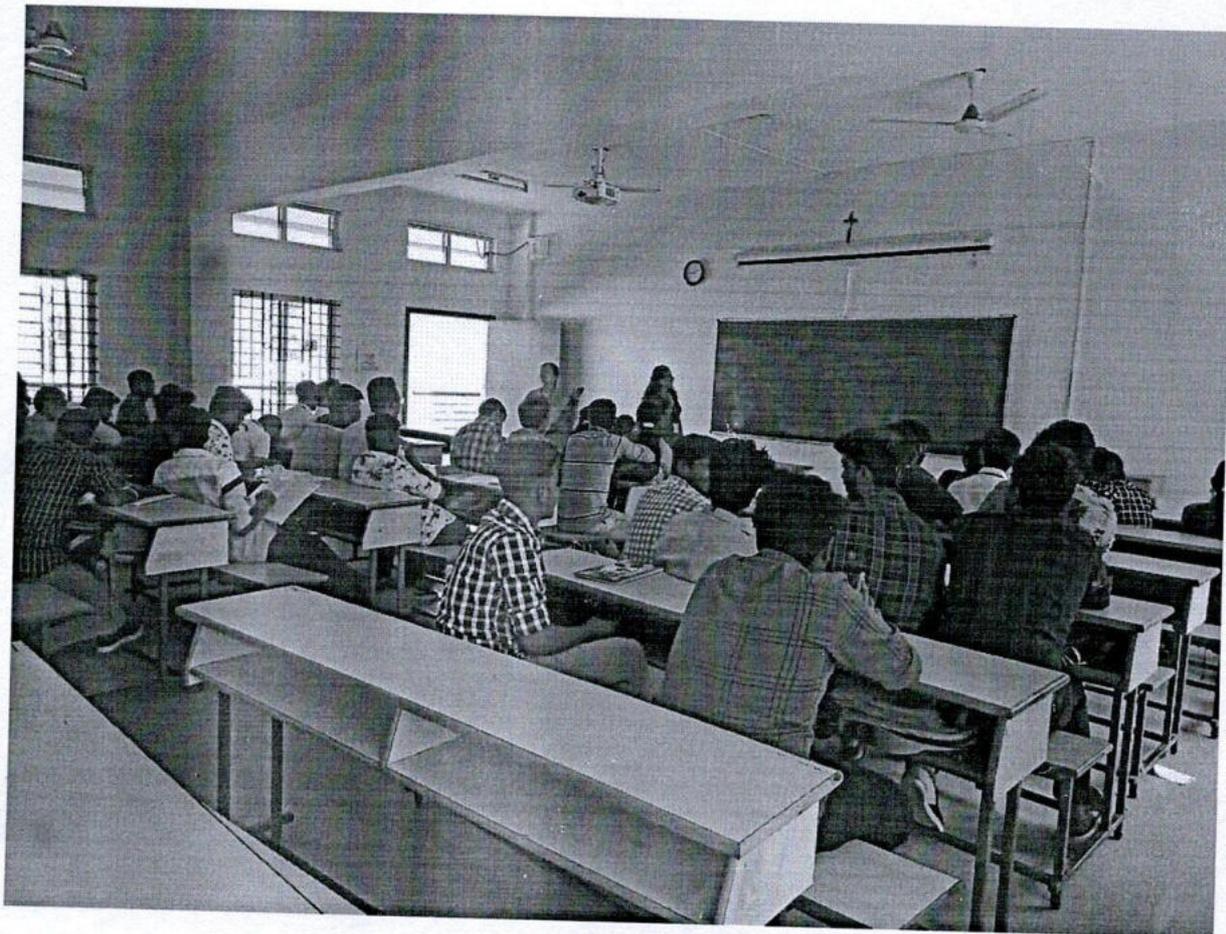
```
#include<stdio.h>

int main()
{
    char ch;
    int i;
    scanf("%c", &i);
    scanf("%d", &ch);
    printf("%c %d", ch, i);
    return 0;
}
```



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