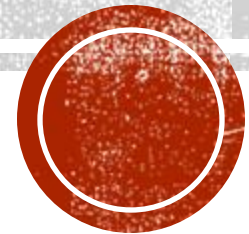# C LANGUAGE

NOTE

Chapter 3 : Simple calculate Program

@STUDY_DISES

# CALCULATE PROGRAM BASE KNOWLEDGE

- When we need to do a calculate program, we have to some knowledges about the C-language for calculating.

- In C, we have some simple calculate symbol in the table , some of which just like we use in math.

| + | A plus B | A+B |
|---|---|---|
| - | A minus B | A-B |
| * | A times B | A*B |
| / | A divides B | A/B |
| % | A take the remainder in B | A%B |

# CALCULATE PROGRAM BASE KNOWLEDGE

- In C language, we also have some kinds of symbols that can simplify our code.
- Just like the table it decribe.

| += | A += B | Just like | A = A + B |
|----|--------|-----------|-----------|
| -= | A -= B | | A = A - B |
| *= | A *= B | | A = A * B |
| /= | A /= B | | A = A / B |
| %= | A %= B | | A = A % B |

# SAMPLE PRACTICE

- Practice 3 :
  - Please write a program for inputing two variables A and B , and calculate the answer for **A take the remainder in B.**
  - **Simple Input : 10 9**
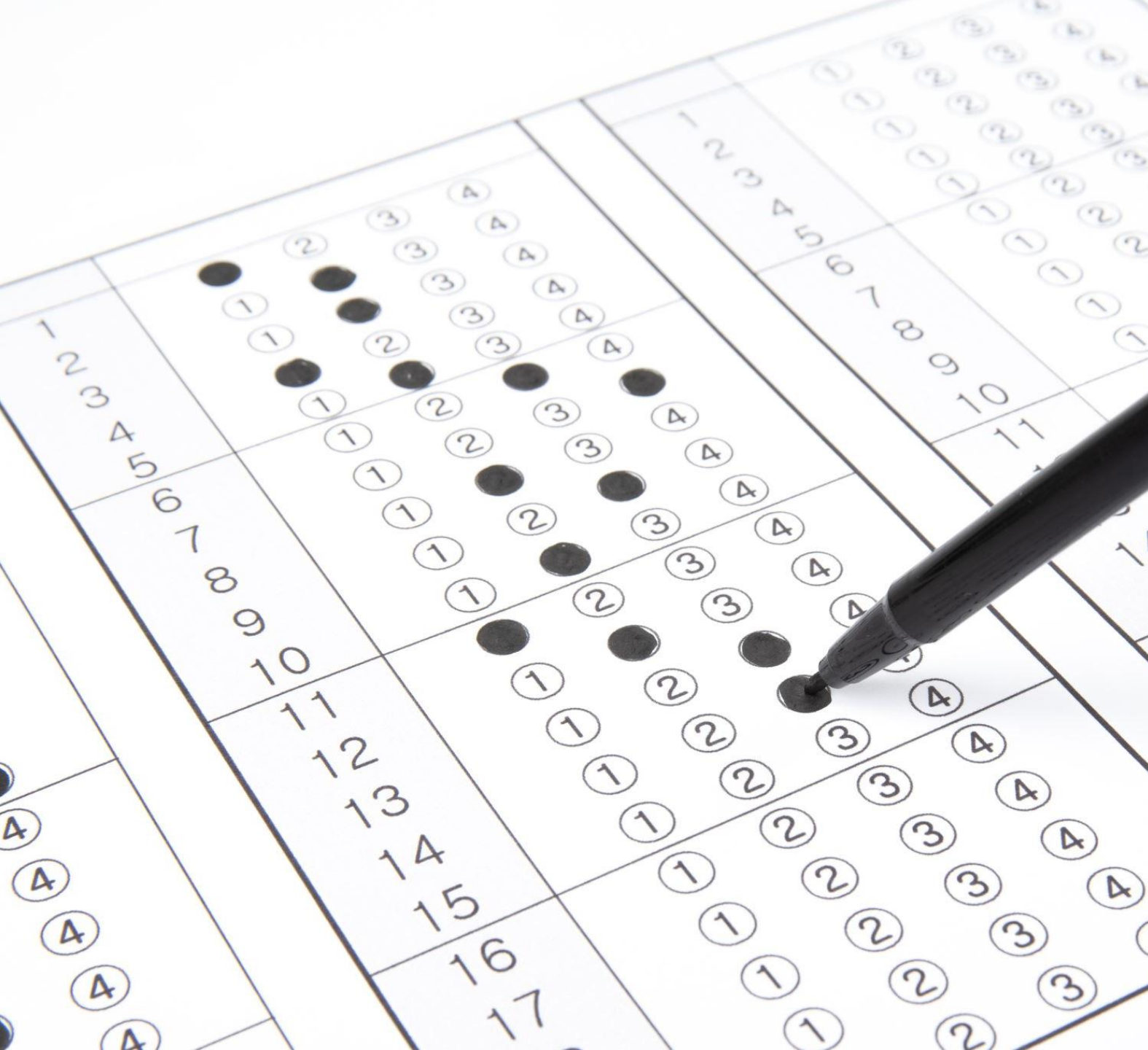  - **Simple Output : 1**

# ANSWER OF SAMPLE PRACTICE

# ADVANCED PRACTICE

- Advanced Practice 2 :

- At a stand, each bottle of water costs $5. Customers are standing in a queue to buy from you and order one at a time.

  - The customer will tell you he wants n bottles of water and he will give you m dollars.

  - As a staff, you need to give changes to customers in the minimum coins, and you only have $100, $50, $10, $5 and $1.

  - Please calculate how much coins the staff needs to pay and output it.

  - # from leetcode #860

  - Sample input : 5 100

  - Sample output : 4

  - ( Describe about sample ,  $100 - 5*5 = 75 = 50 + 2*10 + 5$ , so the answer is 4 .)

# IF YOU WANT FULL OF THIS NOTE ANS THE ANSWER OF ADVANCED PRACTICE

- Please follow this IG @study_dises.

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