



**វិទ្យាស្ថានបច្ចេកវិទ្យាកម្ពុជា**  
Institute of Technology of Cambodia

**TP-05**

**Data Structure and Programming-I**  
**Assignment-01**

Academic Year: 2022 - 2023

**Problem1:**

Write a C++ program that can calculate your age (days, months, years) with date of today.

Enter your dob on day : 1

Enter your dob in month : 1

Enter your dob in year : 1993

⇒ Output : Your age till today is: ? days ? months ? years.

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**Problem2:**

Write a C++ program that can input a student information and display result. This program ask a user to input firstname, lastname, gender, age, pob, height, department, major, phone and email then display the summary result.

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**Problem3:**

Write a C++ program to ask a user to input some text. The program can reverse all characters of the text and display the result on screen.

E.g: Input: AMS@ITC

=> Output: CTI@SMA

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**Problem4:**

Write a C++ program to input student\_id, name and the student's scores with 3 subjects. The program has to calculate total\_scores, average and grade. The grade is based on the following rules:

- |                                  |             |
|----------------------------------|-------------|
| - average is greater than 90     | => Grade: A |
| - average is greater than 80     | => Grade: B |
| - average is greater than 70     | => Grade: C |
| - average is greater than 60     | => Grade: D |
| - average is greater or equal 50 | => Grade: E |
| - average is less than 50        | => Grade: F |

E.g:

Input Subject-1: 70

Input Subject-2: 80

Input Subject-3: 50

=> Output: Total Scores = 200

Average = 66.66

Grade: D