

C++ Structured Program (Lecture Activities)

Group Works

Exercise 1 (5 min)

Write a program that do the following

1. Reads a temperature, **temp**.
2. Check if the given temperature **temp** is above the normal temperature **normal_temp** (37°C) (*Use IF-ELSE statement*)
3. When it is true, prints the following statement "You have a fever".
4. When it is false, prints the following statement "Your temperature is normal".

Exercise 2 (5 min)

Repeat Exercise 1 using **? operator**

Exercise 3 (10 min)

Write a program that do the following: 1) Read a distance, **d**. 2) **Use IF-ELSE to** assign a value to double variable **cost** depending on the value of **d** as bellow. 3) Print the **cost**

Distance	Cost
0 through 100	5.00
More than 100 but not more than 500	8.00
More than 500 but less than 1,000	10.00
1,000 or more	12.00

Exercise 4 (10 min)

Write a program that do the following: 1) Read a distance, **d**. 2) **Use Switch to** assign a value to double variable **cost** depending on the value of **d** as bellow. 3) Print the **cost**

Distance	Cost
100	5.00
500	8.00
1000	10.00
others	12.00

Individual Work

Write a program that check whether an employee is qualified to be promoted to Manager. Qualified employee should have at least 10 years of experience and received at least 5 training sessions and his/her current position is Assistant Manager. If the employee has less than 10 years' experience, print a message ("Need more experience."). If the employee received less than 5 training sessions, print a message ("Need more training."). If the employee's job position is not Assistant Manager, print a message ("Become Assistant Manager first."). An example of the program output is shown below.

Enter the number of years: **11**

Enter the number of training received: **6**

Enter your current position (J- Junior, S- Senior, A- Asst. Manager): **A**

You are qualified to be promoted to Manager