

Lab Work 5

Objectives: This lab work aims to test your understanding of "Basic concepts" and practice on programming some problems with different statements in the lab hours during this week.

Q1: Write a program that determines the volume of a swimming pool

Hint: Volume=length*width*depth

Q2: Write a program that prompts the user to input the length and width of a rectangle and then prints the rectangle's area. (Assume that the length and the width are decimal numbers)

Q3: Write a program that prompts the user to enter 4 test scores and then prints the average test score.

Q4: Write a program that converts the temperature from Fahrenheit to Centigrade.

Hint: $C = \frac{F - 32}{1.8}$

Q5: Find the total salary for salesman has a basic salary 300 JD and commission 15% from his sales, and discount 5.5% from his basic salary as social insurance. Where total salary= total income-total discount

Home Work:

Q4: Write a program that prompts the user to input a four-digit positive integer. The program then outputs the digits of the number, one digit per line for example, if the input is 3245, and the output is:

3
2
4
5

Q5: Write a C++ program that prompts the user to input the elapsed time for an event in seconds. The program then outputs the elapsed time in hours, minutes, and seconds. (For example, if the elapsed time is 9630 second, then the output is 2:40:30)