

Laboratory Session 2

Task 1: Personalized Materials about Variable Declaration and a Quiz (20%)

This task includes view/interact with personalized materials on the topic “variable”, which are presented on the NEWTELP platform based on your media presentation preference choices. Take the quiz which follows the materials. (You should have already viewed/interacted with the materials and taken the quiz on the platform by now).

Task 2: Water Basin (20%)

Write a program that reads the dimensions of a water basin: depth, length and width. It should also read the amount of paint required to cover one square meter of a surface. The program should compute the amount of paint required to paint this basin on the outside as well as the amount of water it could hold. Provide nice welcome and goodbye messages.

Task 3: Geometric Figures (20%)

Write a program that uses the following “print” statement:

```
printf(“**\n**\n***\n****\n*****\n”);
```

What does the program print?

Next, print a square and a diamond. Use your initial instead of the “*” character.

Task 4: Exchange Office (40%)

Write a program that reads the exchange rates between EURO and US DOLLAR and BRITISH POUND respectively. Print the following table for EURO values from 1 to 10. Ask the user to input an amount in EURO and express his interest in exchanging it in either USD or GBP. Convert the amount in the right currency and print the value on the screen. Provide nice welcome and goodbye messages.

EURO	USD	GBP
1	1.293	0.693
2	2.586	1.386
and so on		