



CL-1002

Programming Fundamentals

Lab # 1

Objectives:

- Practice on pseudocode
- Sequential statements

Note: Carefully read the following instructions (*Each instruction contains a weightage*)

1. Use understandable names of variables.
2. First think about statement problems and then write/draw your logic on copy.
3. Please submit your file in this format **23F-1234_L1**.
4. Do not submit your assignment **after the deadline**.
5. **Do not copy code from any source otherwise you will be penalized with negative marks.**

Problem: Write a solution of the given problems in a sequence with simple English in steps.

1. Cooking Recipe: How to make a sandwich.
2. Packing a Backpack for a Hike
3. Planting a Garden
4. Organizing a Bookshelf
5. Washing a Car
6. Preparing for a Garage Sale
7. Writing a Letter
8. Cleaning a home
9. Making a Paper Airplane
10. Organizing a Picnic
11. Read in a number and print it out.
12. Read three numbers one by one and print with comma separated In a single line.
13. Adding three numbers.
14. Finding the average of three numbers.
15. Find the area of a Rectangle. Given the length len and width wid of a rectangle, calculate the area.
16. Calculate the Circumference of a Circle, where $C = 2\pi r$
17. Calculate the Interest of a Bank Deposit (formula "Interest=Amount*Years*Rate/100).
18. Convert Temperature from Fahrenheit (°F) to Celsius (°C) (formula $C = 5/9 * (F - 32)$)
19. Convert Temperature from Celsius (°C) to Fahrenheit (°F) (formula F=reverse the formula of C)



20. Write a program that obtains from the user an hourly pay rate and the number of hours worked for the week, calculates their pay for the week (no overtime, and no taxes) and outputs the result.

Best of luck 😊

You are done with your exercise, submit on classroom at given time

