Lab1-python

Part 1

1. Write a program that prints HELLO, ITI

Part 2

3. Write a program that prints your **name** and **hobby**, with a comment explaining each line.
4. Use a multi-line comment to explain the purpose of your program.

Part 3

5. Create the following variables:
    - name → your name
    - age → your age
    - height → your height
    - is_student → whether you are a student or not
      Then print all of them.
6. Change the value of age to be **5 years older** and print the result.

Part 4

7. Create two variables a = 15 and b = 4, then print:
    - the sum
    - the difference
    - the product
    - the division result
    - the remainder (modulus)
8. Create a variable x = 10 and check:
    - Is x greater than 5?
    - Is x less than 20?
    - Is x equal to 10?
9. Create two variables p = True, q = False, then print the results of:
    - p and q
    - p or q
    - not p

Part 5 –

10.Ask the user to enter their **name** and print the length of the name using len().

11.Ask the user to enter an **integer** and print its absolute value using abs().

12.Ask the user to enter **three numbers** and print the largest one using max().

Part 6 –

13.Write a program that asks the user for their age:

- If age < 13 → print "Child"
- If age between 13 and 19 → print "Teenager"
- Otherwise → print "Adult"

14.Write a program that asks the user for their exam grade (0–100):

- If grade ≥ 90 → "Excellent"
- If grade ≥ 70 → "Good"
- If grade ≥ 50 → "Pass"
- Otherwise → "Fail"