PYTHON PROGRAMMING EXERCISES BY DIFFICULTY LEVEL

TOTAL: 30 QUESTIONS (10 BASIC + 10 INTERMEDIATE + 10 ADVANCED)

LEVEL 1 — BASIC (10 EXERCISES)

1. Print Hello Python using print().
2. Print your name and city on separate lines using \n.
3. Print a sentence using double quotes inside text.
4. Print a 3-line poem using one print() and \n.
5. Print a table using \t formatting.
6. Print: It's a beautiful day! using escape characters.
7. Print a backslash.
8. Add comments explaining each print statement.
9. Create a decorative border using *****.
10. Print any motivational quote using escape sequences.

LEVEL 2 — INTERMEDIATE (10 EXERCISES)

1. Create variables: name, age, city and print a formatted sentence.
2. Add comments to describe what your program does.
3. Print a bill/receipt layout using \n and \t.
4. Print a sentence containing both ' ' and " " quotes.
5. Print a short 5-line story using one print() function.
6. Create a simple login UI layout using symbols.
7. Print a checklist like:
   [ ] Study Python
   [ ] Practice Code
   [ ] Build Projects
8. Print a message inside a box made with ###.
9. Format your college timetable using \t and alignment.
10. Print a pyramid or pattern using symbols and escape sequences.

LEVEL 3 — ADVANCED (10 EXERCISES)

1. Ask user for their name and print a greeting.
2. Ask for name, age, and GPA, then print a formatted sentence.
3. Create a menu system with three options.
4. Create a decorated welcome banner using symbols.
5. Print ASCII Art using escape sequences.
6. Create a formatted student profile card.
7. Create a formatted invoice / bill output.
8. Create a progress bar using # or █ characters.
9. Write a program with comments explaining formatted output.
10. Create a multi-level menu UI, like:
    --- MENU ---
    1. Start
     a. New Game
     b. Load Game
    2. Settings
    3. Exit