DAY 1 – PYTHON SPRINT

```
Core Topic: Variables, Data Types, Strings

Resource: https://www.youtube.com/watch?v=UrsmFxEIp5k from start till 1hr 40
minutes

[Expected Time to Finish – 3-4 hours]

Core Problem: Personal Profile Processor
```

Everyone works on the same problem. Difficulty depends on how deep you take it. Choose your level and complete it properly.

BEGINNER LEVEL (Starting from Scratch)

Create a Python program that asks the user for: Full Name, Age and City

Then print a clean introduction message using proper formatting.

Sample Input

```yaml
Enter your full name: Arshad Ali
Enter your age: 19
Enter your city: Delhi
```

Sample Output

```pgsql
Hello, my name is Arshad Ali.
I am 19 years old and I live in Delhi.
```

Expected Time to Finish – 20 min

INTERMEDIATE LEVEL

Extend the same program:

Format name using title case

Calculate birth year using age

Display a message based on age group:

   Under 18 → Just getting started

   18–25 → Prime time to build skills

   Above 25 → Experience meets learning

Input:

```yaml
Enter your full name: arshad ali
Enter your age: 20
Enter your city: Delhi
```

Output:

```pgsql
Hello! My name is Arshad Ali.
I am 20 years old (born in 2006) and I live in Delhi.
Prime time to build skills
```

Expected Time to Finish – 20 min

ADVANCED LEVEL MINI PROJECT

CLI-Based Candidate Profile Evaluation System

Project Context

You are building a **command-line based profile evaluation tool** for a fictional hiring platform.
The goal of this tool is to **collect candidate details, validate them, and generate a professional profile card** that could be used by recruiters for quick screening.

This project focuses on **logical thinking, conditional reasoning, and clean formatting**, not advanced syntax.

Input Requirements

The program should ask the user for:

Expected Time to Finish – 60 min

- Full Name
- Age
- City
- Primary Skill
- Skill Level *(Beginner / Intermediate / Advanced)*

Validation Rules

Your program must enforce the following:

- Name **must not be empty**

- Age must be between **10 and 60**

- Skill level must be **exactly one of**:
  Beginner, Intermediate, Advanced

If any input is invalid, display a **clear error message** and stop execution.

Evaluation Logic

Based on the input, derive the following:

1. Career Stage (from age)

- Under 18 → **Student**
- 18–25 → **Early Professional**
- Above 25 → **Experienced Professional**

2. Readiness Tag (from skill level)

- Beginner → **Foundation Stage**
- Intermediate → **Intern / Junior Ready**
- Advanced → **Production Ready**

3. Learning Recommendation

- Beginner → *Focus on core fundamentals and consistency*
- Intermediate → *Start building real-world projects*
- Advanced → *Contribute to production-grade systems*

Output Requirement

Generate a **clean, professional, text-based profile card** in the terminal.

The output should:

- Be neatly aligned
- Look structured and formal
- Feel like a system-generated report (not a print statement dump)

📄 Sample Output

```yaml
========================================
        CANDIDATE PROFILE CARD
========================================
Name          : Arshad Ali
Age           : 20
City          : Delhi
Primary Skill  : Python
Skill Level    : Intermediate


Career Stage   : Early Professional
Readiness Tag  : Intern / Junior Ready
Recommendation : Start building real-world projects
========================================
```

Submission & Deadlines

Deadline: Tomorrow by 9:15 PM.

Format: Submit via WhatsApp using a link to GitHub !!, or by pasting the code (not recommended)