

Project Title

Intro – Friendly Welcome Program

1 Project Overview ✓

Description

The **Intro – Friendly Welcome Program** is a beginner-level Python application designed to collect basic user information such as name, age, and hobby, and display a friendly and personalized welcome message.

Project Goals

- To understand basic Python syntax
- To learn how to use the `input()` function
- To store user data using variables
- To display output using the `print()` function
- To create a simple and user-friendly console application

Objectives

- Practice user interaction in Python
- Improve code readability and formatting
- Build confidence in writing Python programs

2 Setup Instructions ✓

Step-by-Step Installation & Configuration Guide

1. Install Python

- Download Python from <https://www.python.org>
- Verify installation:
- `python --version`

2. Create Project Folder : Task 1

3. Create the Python File

- File name: intro.py
- Paste the project code into the file

4. Run the Program

```
python intro.py
```

- No additional configuration required
- No external libraries needed

3 Code Structure ✓

File Hierarchy

```
Intro_Welcome_Program/
|
└── intro.py      # Main Python program
    ├── README.md    # Project documentation
    └── requirements.txt # Dependencies (none required)
```

Code Organization

- Clear and meaningful variable names (name, age, hobby)
- Logical execution flow (input → processing → output)
- Proper indentation and spacing
- Commented code for better understanding

⚡ Visual Documentation ✅

Screenshots Demonstrating Functionality

The screenshot shows the Visual Studio Code interface. At the top, there's a navigation bar with tabs for 'Welcome' and 'Intro.py'. Below the tabs, a breadcrumb navigation shows 'Task 1 > Intro.py > ...'. The main code editor area contains the following Python code:

```
1 name = str(input("What is your name : "))
2 age = str(input("How old are you ? :"))
3 hobby = str(input("What is your favourite hobby ? :"))
4 print ("Hi !", name,"Nice to meet you. You are", age, "years old a
```

Below the code editor, there are tabs for 'PROBLEMS', 'OUTPUT', 'TERMINAL', and 'PORTS'. The 'TERMINAL' tab is selected, showing the following terminal output:

```
Warning: PowerShell detected that you might be using a screen reader and has disabled PSReadLine for compatibility purposes. If you want to re-enable it, run 'Import-Module PSReadLine'.
PS C:\Users\SIDDHI KOLGE\Desktop\Developer_Arena_Internship> & 'c:\Users\SIDDHI KOLGE\AppData\Local\Programs\Python\Python311\python.exe' 'c:\Users\SIDDHI KOLGE\.vscode\extensions\ms-python.debugpy-2025.18.0-win32-x64\bundled\libs\debugpy\launcher' '54371' '--' 'c:\Users\SIDDHI KOLGE\Desktop\Developer_Arena_Internship\Task 1\Intro.py'
What is your name : Shreya
How old are you ? :21
What is your favourite hobby ? :Dancing
Hi ! Shreya Nice to meet you. You are 21 years old and i really happy to hear that you love Dancing
PS C:\Users\SIDDHI KOLGE\Desktop\Developer_Arena_Internship>
```

On the right side of the interface, there are two open 'Python Debug' toolbars.

5 Technical Details ✓

Algorithms Used

- **Sequential Algorithm**
 - The program executes instructions line by line
 - No loops or conditional statements are used

Data Structures

- **Variables (String Type)**
 - Used to store user inputs
 - Example:
 - `name = input("What is your name: ")`

Architecture

- **Procedural Programming Model**
- Console-based application
- Single-file structure
- Uses only Python built-in functions