**Week 1 – Interactive Assignment**

**Calculating Profit Amount**

Eric Vara

The University of Arizona Global Campus

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Professor Amjad Alkilani

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Here's how I developed the program step-by-step:

**Step 1: Identify Requirements**

The task was clear — calculate the estimated profit, which is 19% of total sales. The user input and output formats were also specified.

**Step 2: Choosing Tools**

I used Python's `input()` for user input and `print()` for output. I chose the `float` data type to work with numbers that have decimals.

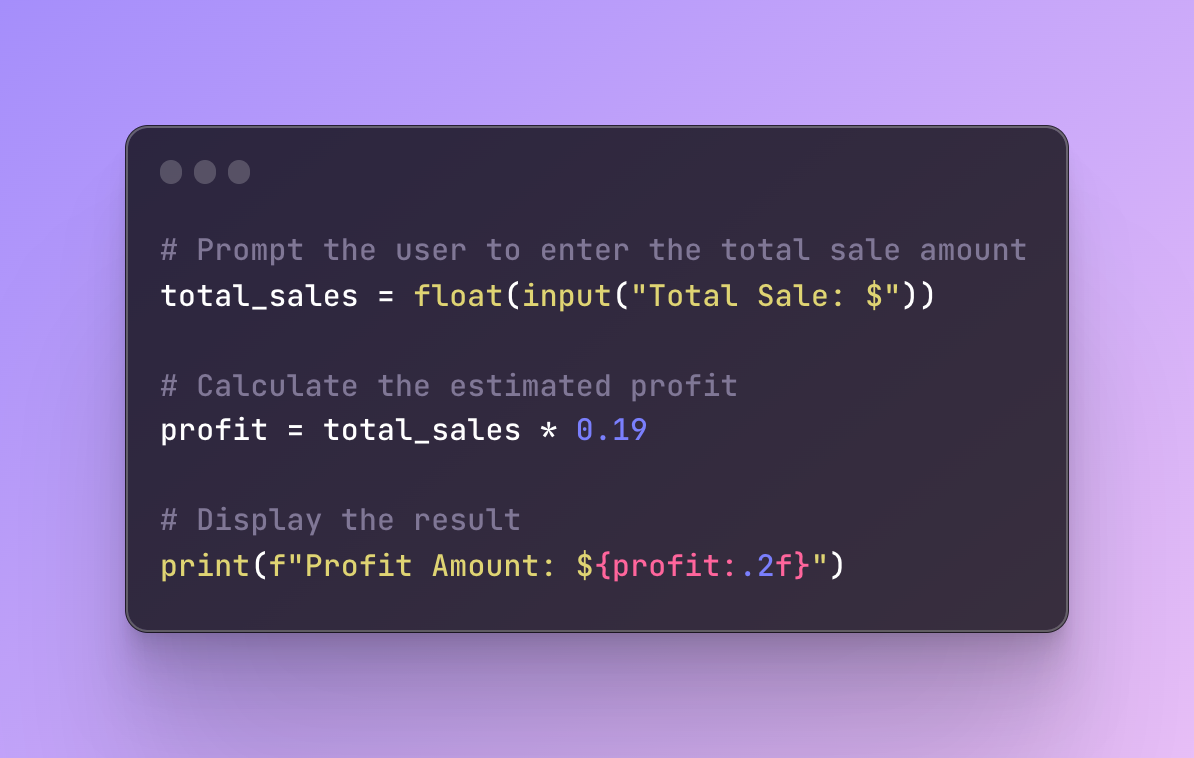
**Step 3: Writing Code**

1. First, I used `input()` to prompt the user for the total sales amount. I converted it to a `float` so we can perform calculations.
2. Next, I calculated the profit by multiplying the total sales by 0.19 (19% converted to a decimal).
3. Finally, I displayed the profit using `print()`. I formatted it to 2 decimal places for better readability.

**Step 4: Testing**

I Ran the program to make sure it prompts the user correctly, calculates accurately, and displays the result as specified.

And voila! That's how the simple Python program came together. Hope this helps you understand the process!

[Source Code](https://ray.so/#code=IyBQcm9tcHQgdGhlIHVzZXIgdG8gZW50ZXIgdGhlIHRvdGFsIHNhbGUgYW1vdW50CnRvdGFsX3NhbGVzID0gZmxvYXQoaW5wdXQoIlRvdGFsIFNhbGU6ICQiKSkKCiMgQ2FsY3VsYXRlIHRoZSBlc3RpbWF0ZWQgcHJvZml0CnByb2ZpdCA9IHRvdGFsX3NhbGVzICogMC4xOQoKIyBEaXNwbGF5IHRoZSByZXN1bHQKcHJpbnQoZiJQcm9maXQgQW1vdW50OiAke3Byb2ZpdDouMmZ9Iik&theme=candy)

**Console**

