

# AI Assisted Coding

## Assignment 10.5

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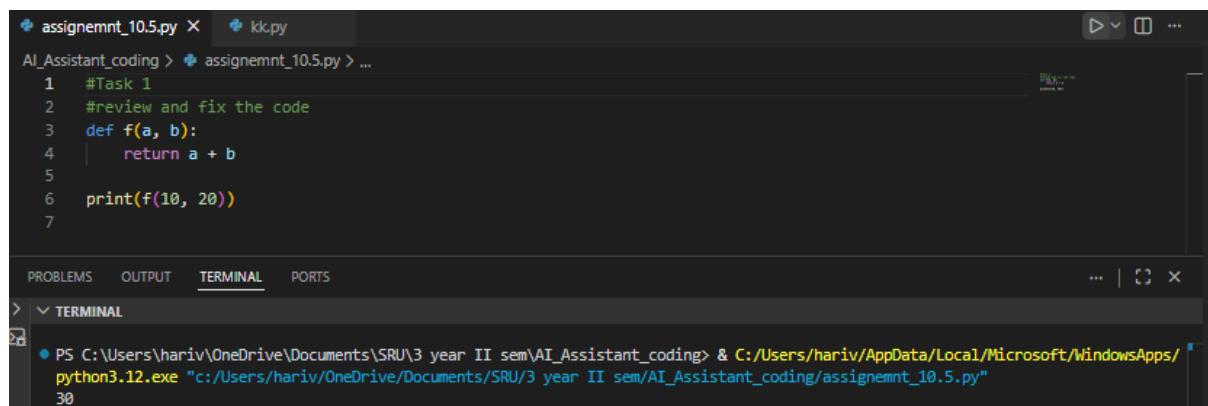
Batch no: 19

### Task 1: Variable Naming Issues

#### Prompt:

Review and fix the code

#### Code & Output:-



The screenshot shows a code editor interface with two tabs: 'assignemnt\_10.5.py' and 'kk.py'. The code in 'assignemnt\_10.5.py' is as follows:

```
1 #Task 1
2 #review and fix the code
3 def f(a, b):
4     return a + b
5
6 print(f(10, 20))
7
```

Below the code editor is a terminal window titled 'TERMINAL'. It shows the command 'python3.12.exe "c:/Users/hariv/OneDrive/Documents/SRU/3 year II sem/AI\_Assistant\_coding/assigemnt\_10.5.py"' being run, and the output '30'.

#### Explanation:-

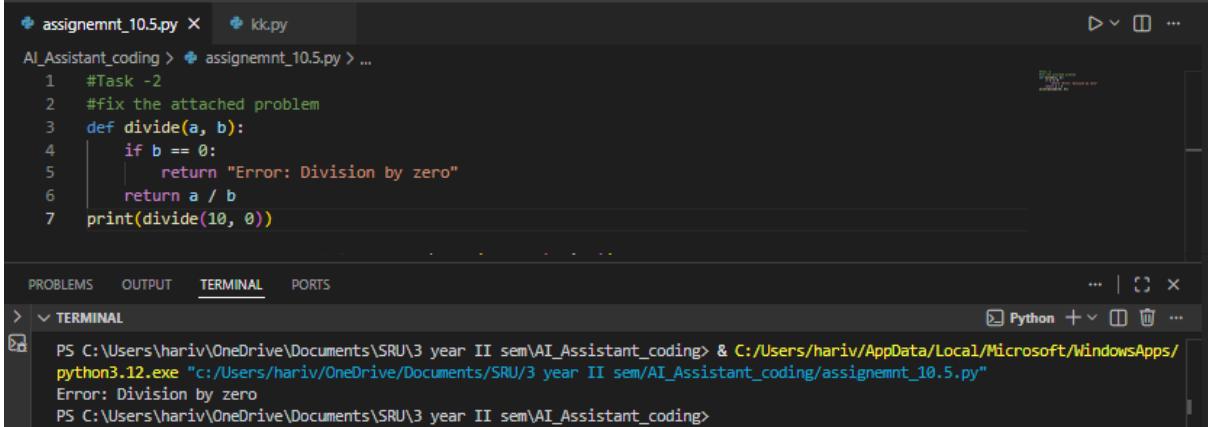
This code creates a small function that simply adds two numbers together. When we give it the values 10 and 20, it calculates their total inside the function. In the end, it prints the answer **30** on the screen in a clear and simple way.

#### Task 2:

#### Prompt:

Fix the attached problem

## **Code & Output:-**



The screenshot shows a code editor interface with two files open: 'assignemnt\_10.5.py' and 'kk.py'. The code in 'assignemnt\_10.5.py' is:

```
1 #Task -2
2 #fix the attached problem
3 def divide(a, b):
4     if b == 0:
5         return "Error: Division by zero"
6     return a / b
7 print(divide(10, 0))
```

The terminal tab shows the following output:

```
PS C:\Users\hariv\OneDrive\Documents\SRU\3 year II sem\AI_Assistant_coding> & C:/Users/hariv/AppData/Local/Microsoft/WindowsApps/python3.12.exe "c:/Users/hariv/OneDrive/Documents/SRU/3 year II sem/AI_Assistant_coding/assignemnt_10.5.py"
Error: Division by zero
PS C:\Users\hariv\OneDrive\Documents\SRU\3 year II sem\AI_Assistant_coding>
```

## **Explanation:-**

This code creates a function to divide two numbers, but it carefully checks something important before doing the division. If the second number is zero, it doesn't try to divide because that would cause an error, so it returns a clear message instead. When we give 10 and 0 as input, the function safely responds with an error message rather than crashing.

## **Task 3:**

### **Prompt:**

use correct variable names ,functions and add basic input validation and also follow pep 8 standards

## **Code & Output:-**

## **Explanation:-**