

AI Assisted Coding

Assignment 10.5

Name: R.Bharadwaj

Hall ticket no: 2303A51610

Batch no: 19

Task 1: Variable Naming Issues

Prompt:

Review and fix the code

Code & Output:-



The screenshot shows a code editor with a file named 'assignemnt_10.5.py'. The code defines a function 'f(a, b)' that returns 'a + b' and then prints the result of 'f(10, 20)'. The terminal output shows the command 'python3.12.exe "c:/Users/hariv/OneDrive/Documents/SRU/3 year II sem/AI_Assistant_coding/assignemnt_10.5.py"' and the output '30'.

```
assignemnt_10.5.py X kk.py
AI_Assistant_coding > assignemnt_10.5.py > ...
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

PROBLEMS OUTPUT TERMINAL PORTS
> TERMINAL
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"
30
```

Explanation:-

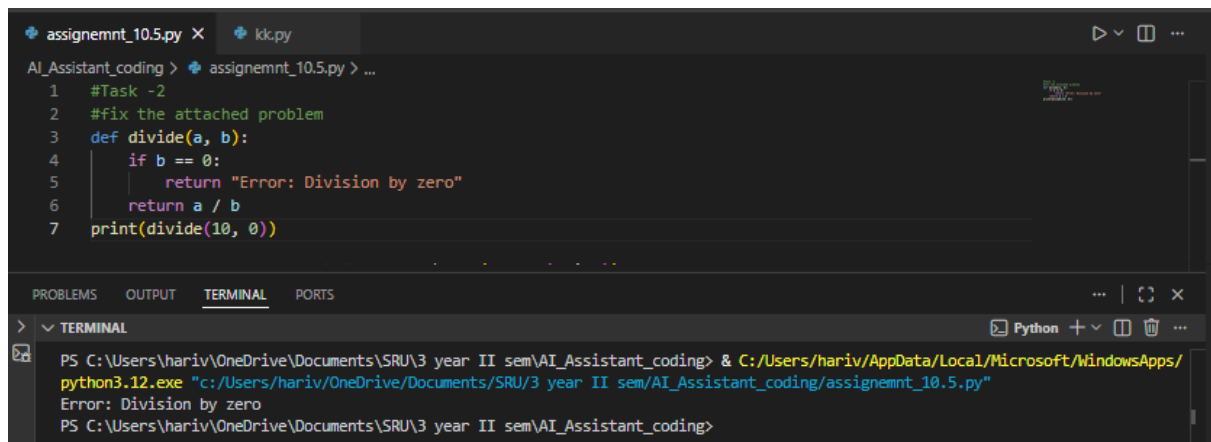
This code creates a small function that simply adds two numbers together. When we give it the values 10 and 20, it calculates their total inside the function. In the end, it prints the answer **30** on the screen in a clear and simple way.¹

Task 2:

Prompt:

Fix the attached problem

Code & Output:-



The screenshot shows a code editor with a file named `assignemnt_10.5.py`. The code defines a function `divide(a, b)` that checks if `b` is zero. If `b` is zero, it returns the string "Error: Division by zero". Otherwise, it returns the result of `a / b`. The function is called with `divide(10, 0)`. The terminal output shows the command `python3.12.exe "c:/Users/hariv/OneDrive/Documents/SRU/3 year II sem/AI_Assistant_coding/assignemnt_10.5.py"` being executed, followed by the output `Error: Division by zero`.

```
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))
```

```
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:-