ASSIGNMENT-7.2
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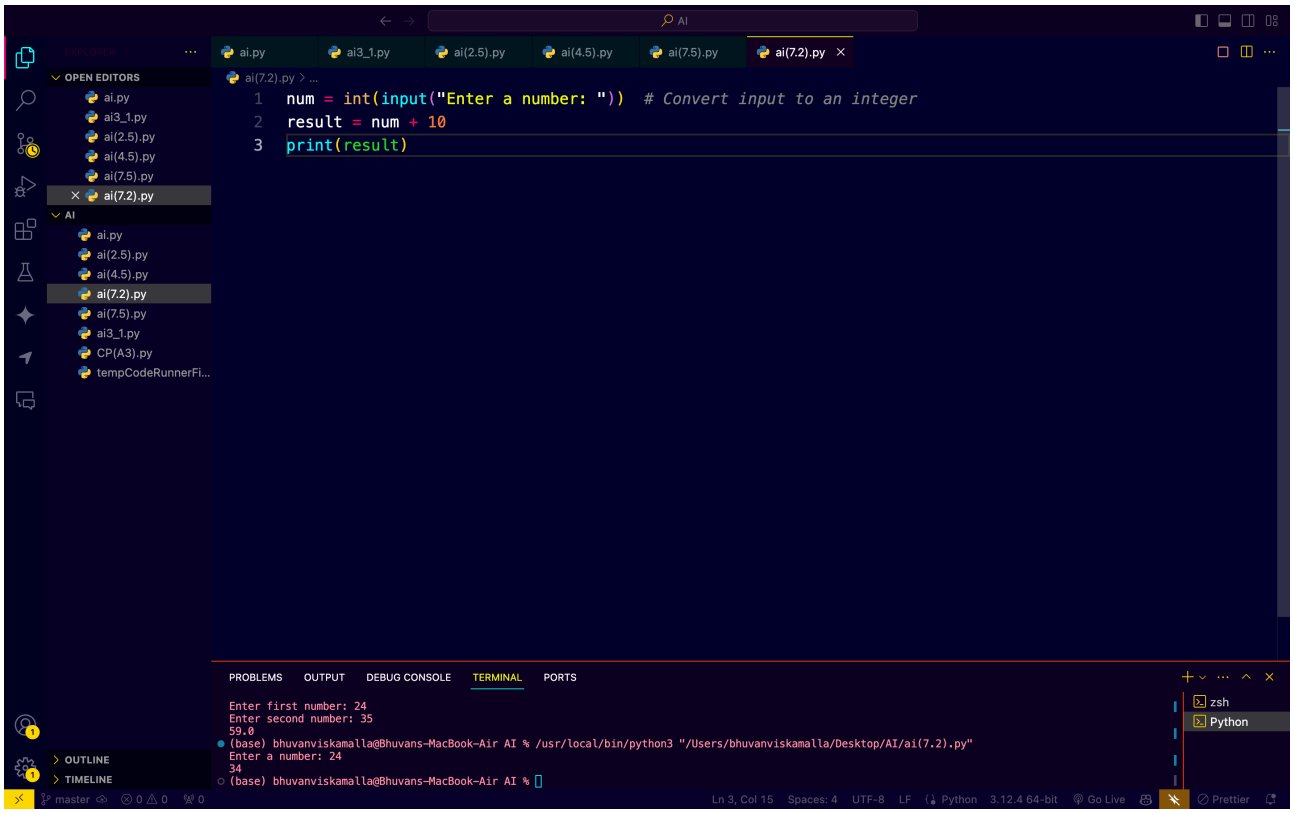
BATCH:30

TASK-1 PROMPT:

num = input("Enter a number: ")
result = num + 10
print(result)

CODE:



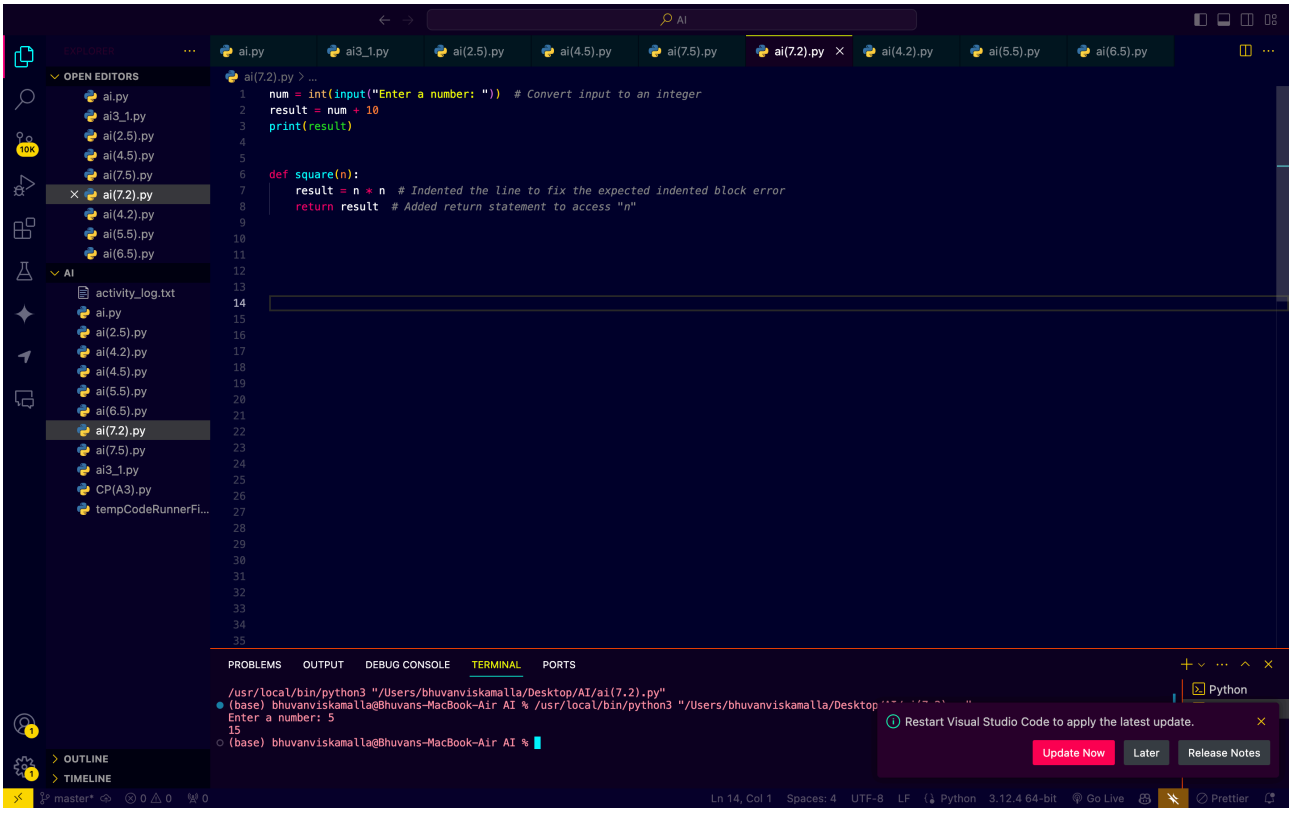
OBSERVATION:
The program was executed successfully. It accepts a number from the user using the
input function. The entered value is added to 10 and the result is displayed. The output
verifies the execution of input handling and addition operation in the program.

TASK-2

PROMPT:

def square(n):result = n * n
return result

CODE:



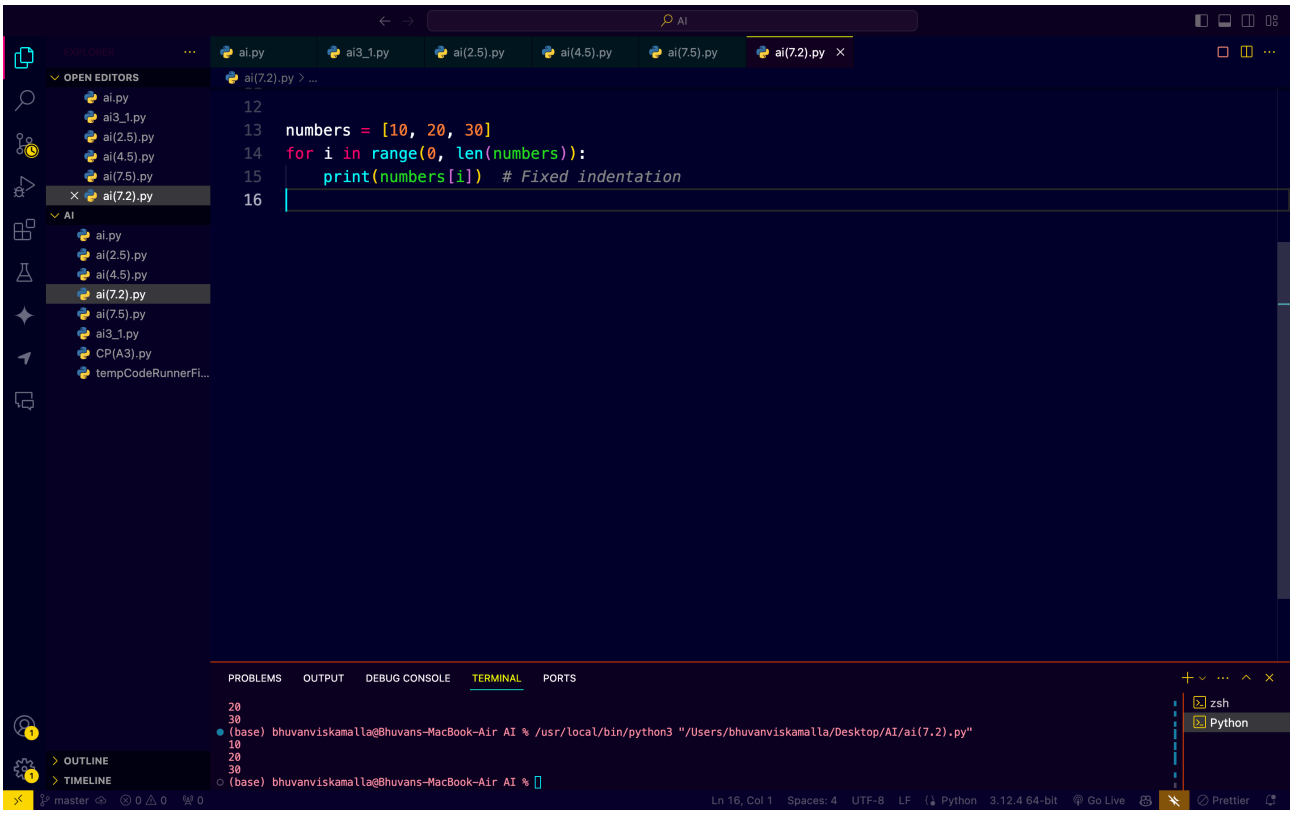
OBSERVATION:
The function square(n) was executed successfully. It accepts a number as an argument,
calculates its square by multiplying the number with itself, and returns the result. The
function works correctly and produces the expected output.

TASK-3

PROMPT:

numbers = [10, 20, 30]
for i in range(0, len(numbers)):
print(numbers[I])

CODE:



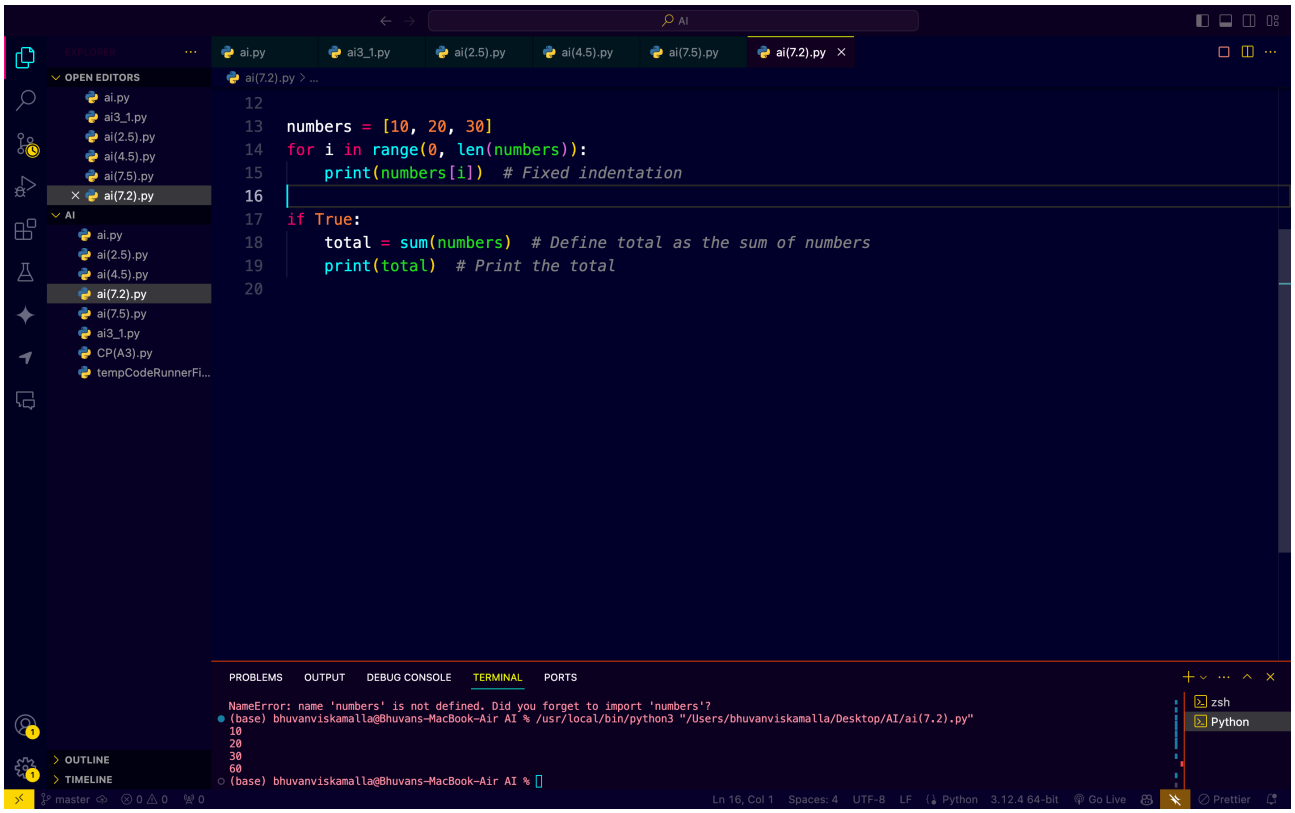
OBSERVATION:
The program was executed successfully. A list of numbers was created and a for loop
was used to iterate through each element using index values. Each number in the list
was printed as output. The results confirm that the loop and list operations are
functioning correctly.

TASK-4

PROMPT:

total = 60
if True:
print(total)

CODE:

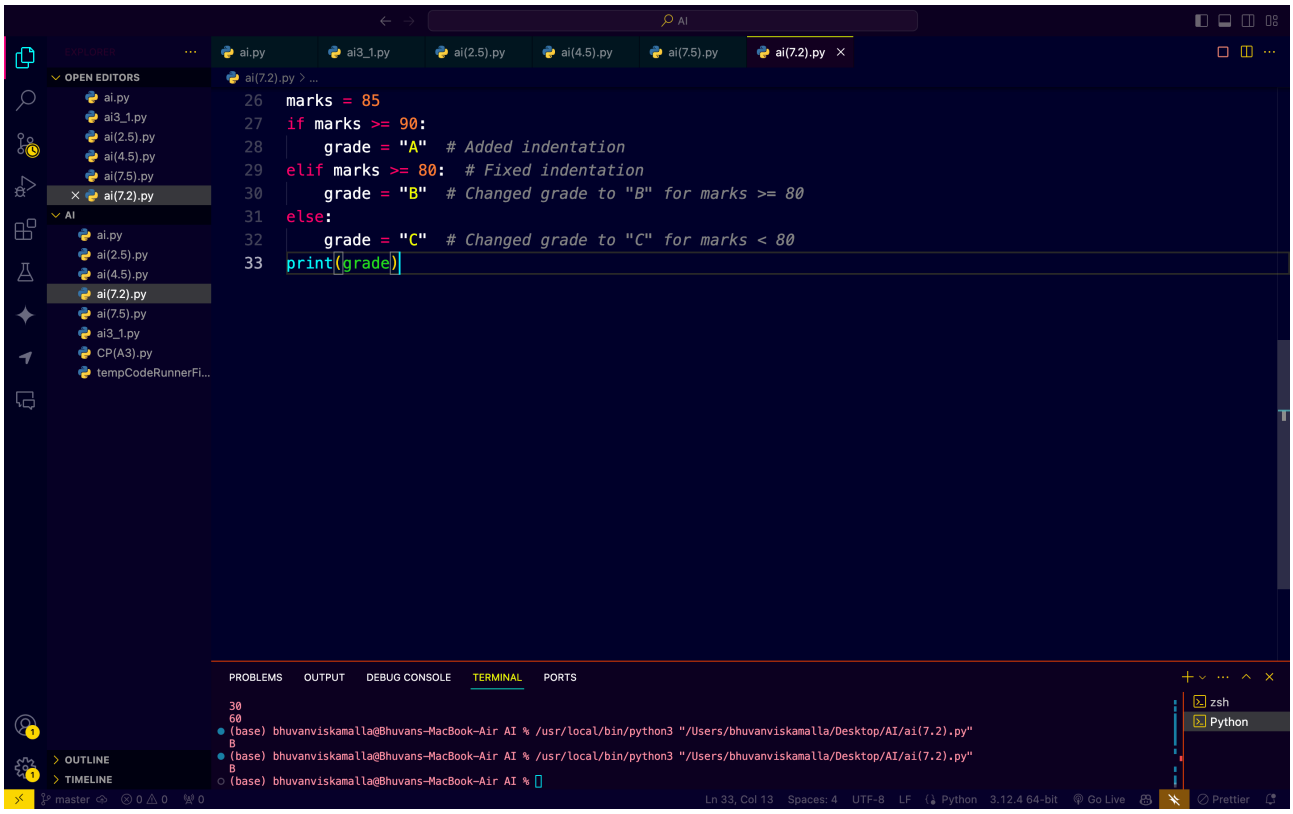


OBSERVATION:
The program was executed successfully. A variable was assigned a value and an if
condition was used to check the statement. Since the condition is True, the value of the
variable was printed. The output confirms the correct working of conditional statements
in the program.

TASK-5

PROMPT:
marks = 85
if marks >= 90:
grade = "A"
elif marks >= 80:
grade = "C"
else:
grade = "B"
print(grade)

CODE:



OBSERVATION:

The program was executed successfully. It assigns marks to a variable and uses conditional statements to determine the grade. Based on the given condition, the appropriate grade is selected and displayed. The output confirms the correct working of the if-elif-else control structure.