ASSIGNMENT-7.2

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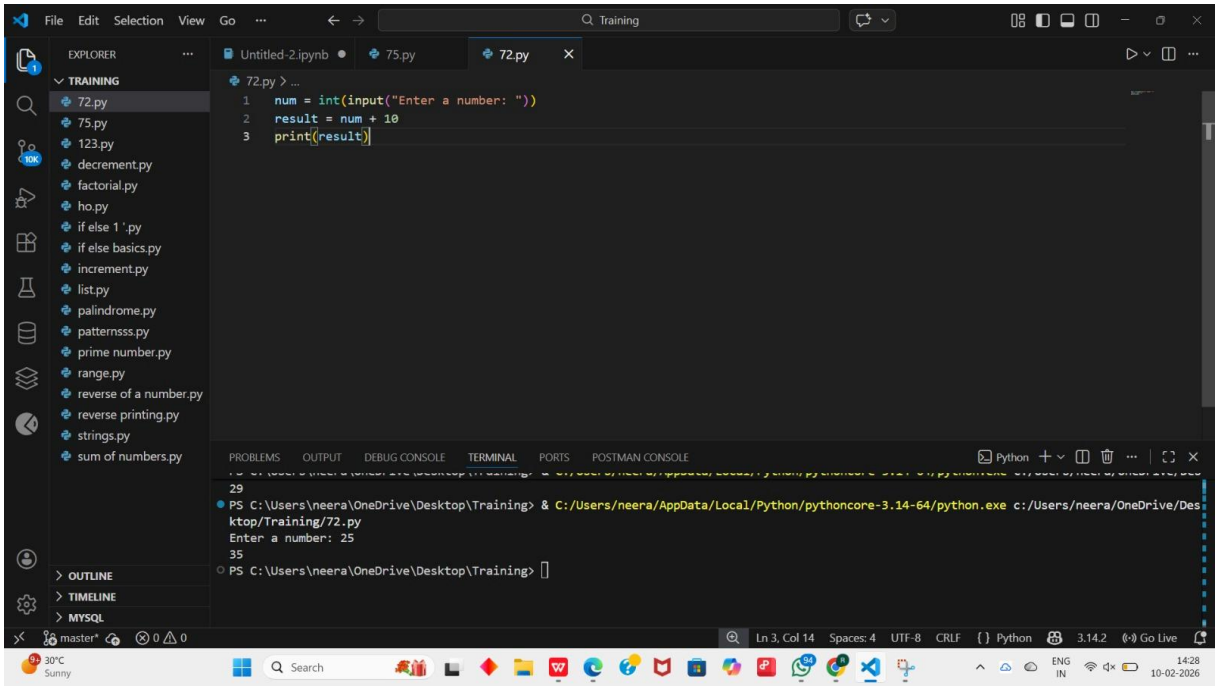
BATCH:30

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

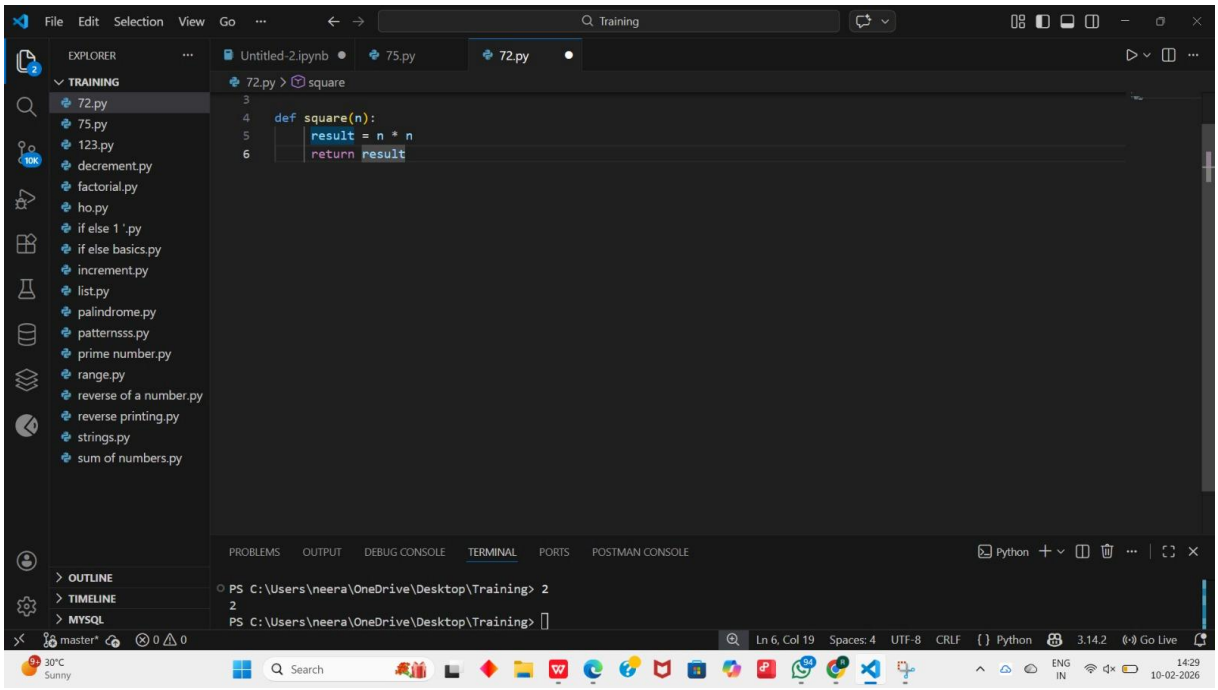
PROMPT:

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.

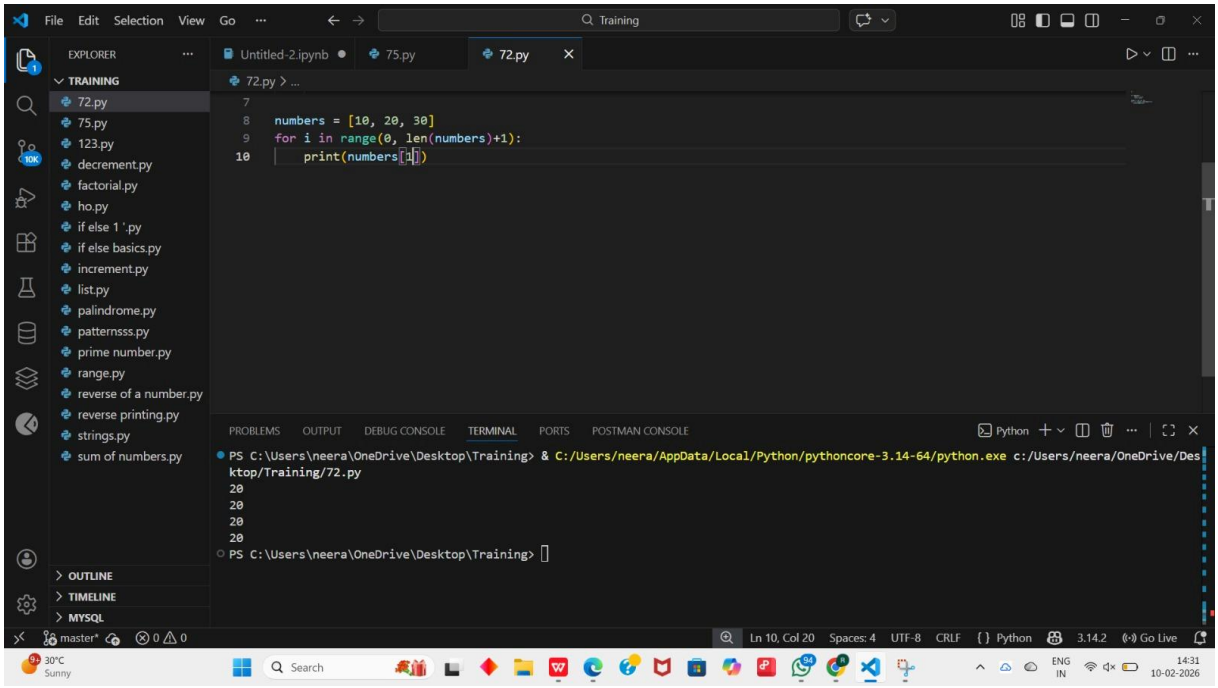
TASK-3

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

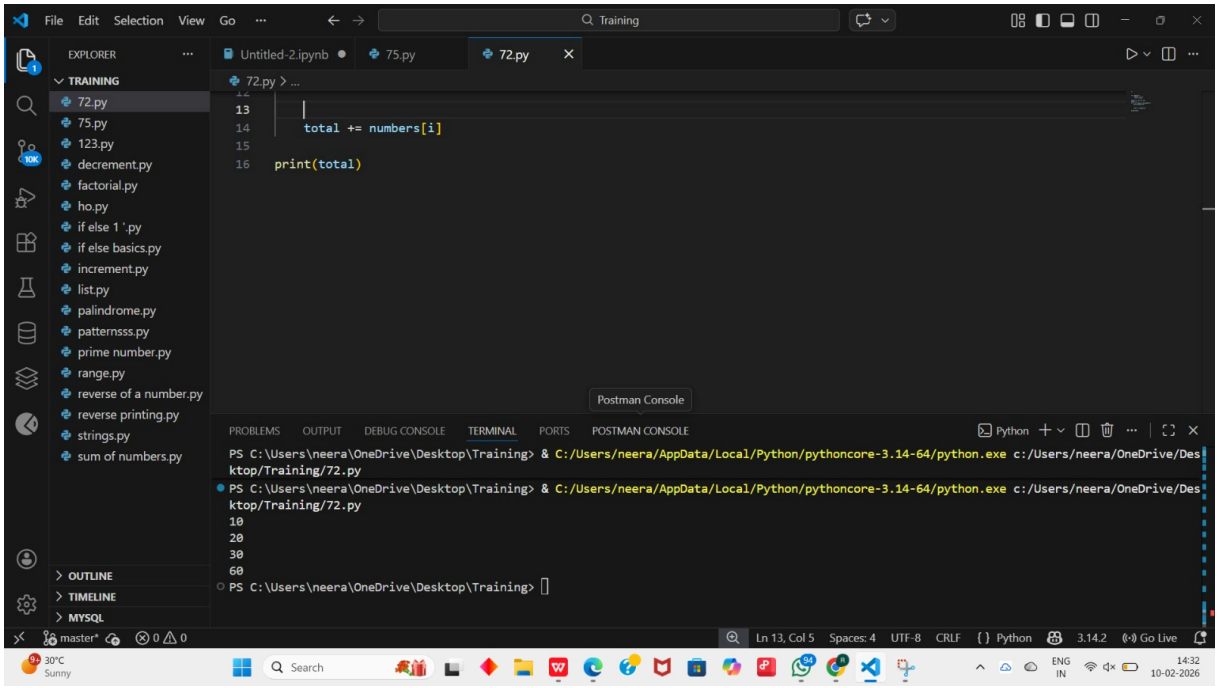
PROMPT:

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 >=

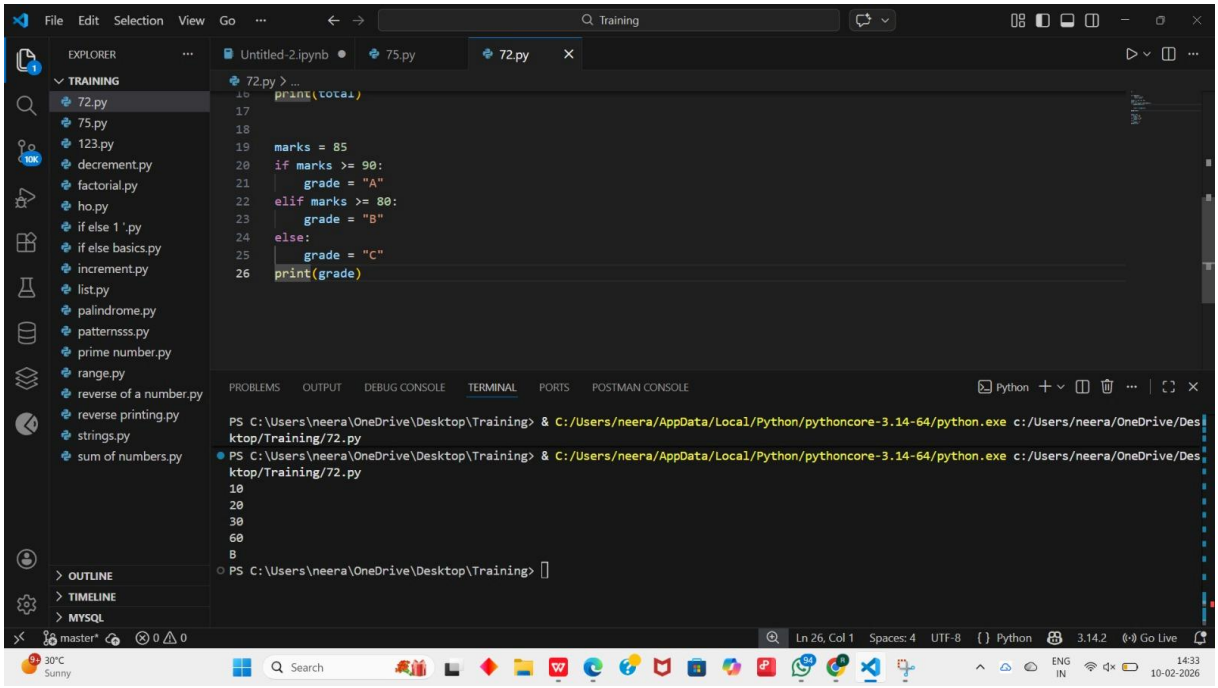
90: grade = "A"

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.