SR UNIVERSITY

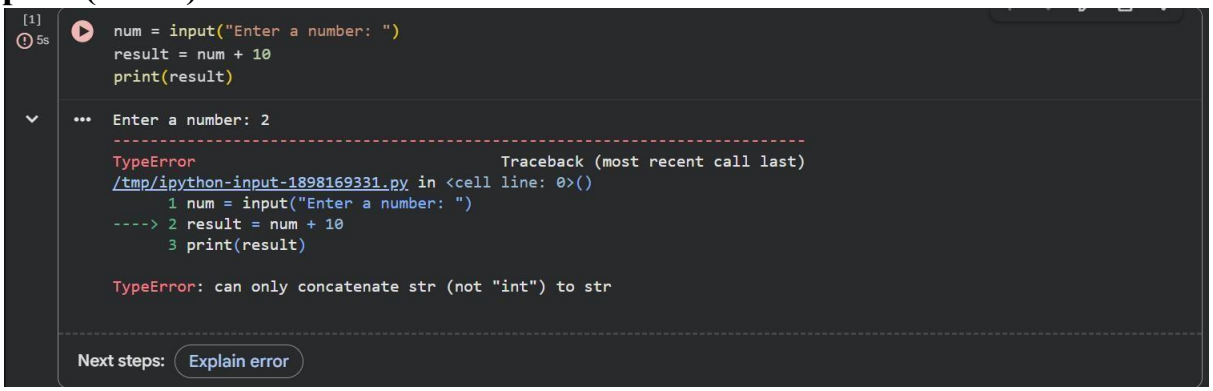
School of Computer Science and Artificial Intelligence

Lab Assignment # 7.2

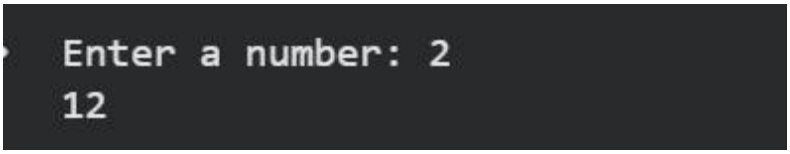
Program	**: B. Tech (CSE)**
Specialization	**:**
Course Title	**: AI Assisted Coding**
Course Code	**: 23CS002PC304**
Semester	**II**
Academic Session	**: 2025-2026**
Name of Student	**: A.NAGASAI**
Enrollment No.	**: 2403A51L18**
Batch No.	**: 51**
Date	**: 30-01-2026**

Task 1 – Runtime Error Due to Invalid Input Type

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



Output:



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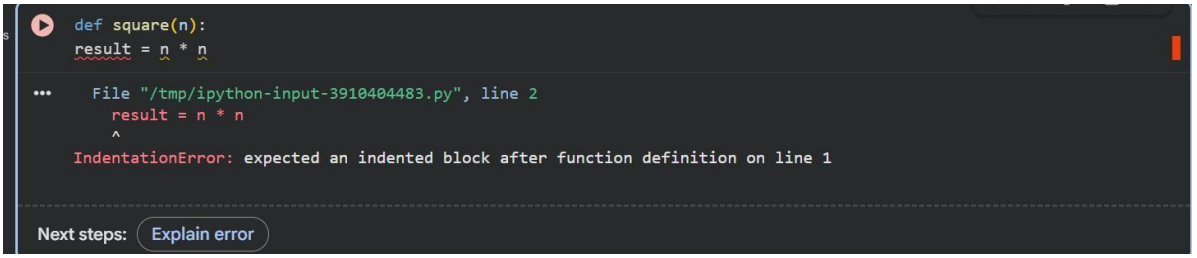
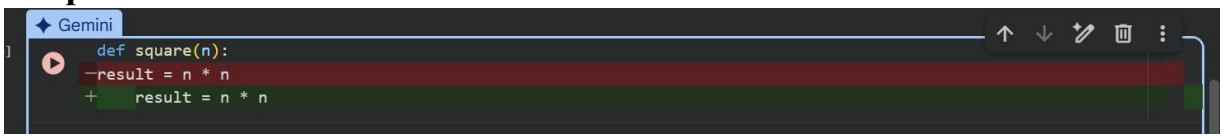
Task 2 – Incorrect Function Return Value

(Buggy Code):
def square(n):
result = n * n

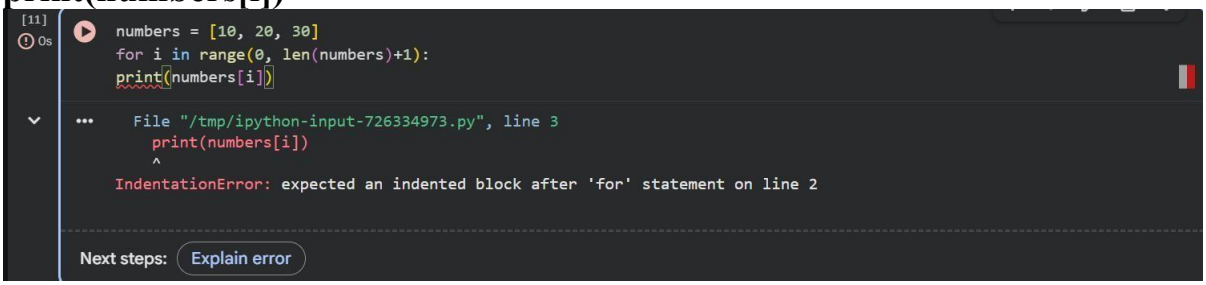


Output:

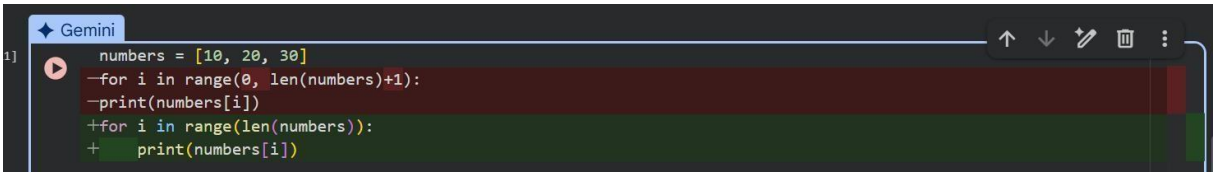


Task-3 Index Error in List Traversal

(Buggy Code): numbers = [10, 20, 30] for i in range(0, len(numbers)+1): print(numbers[i])



Output:



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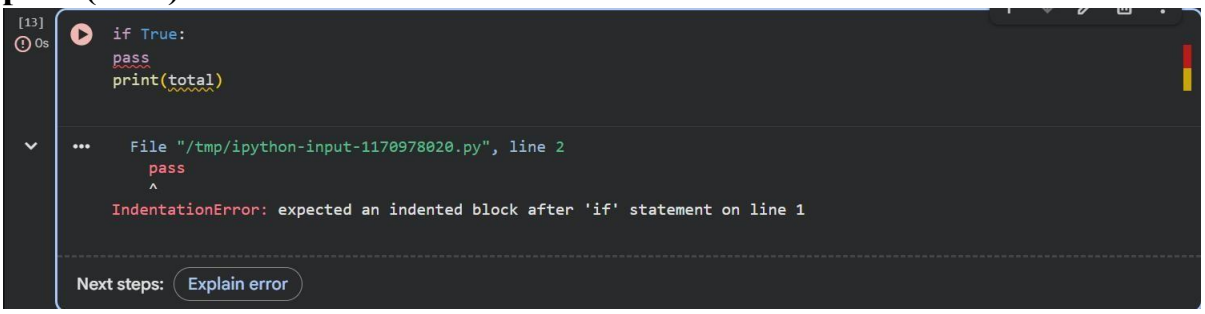
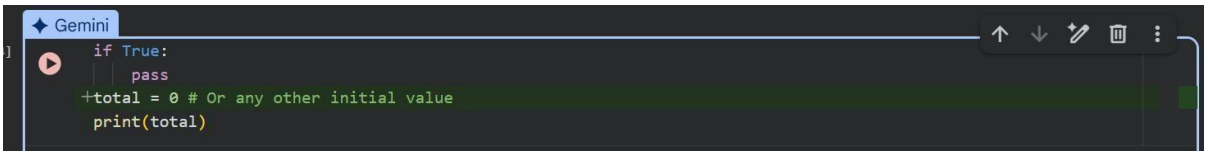
Task 4 – Uninitialized Variable Usage

(Buggy Code):
if True: pass
print(total)



Output:



Task 5 – Logical Error in Student Grading System

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

Output:


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

C