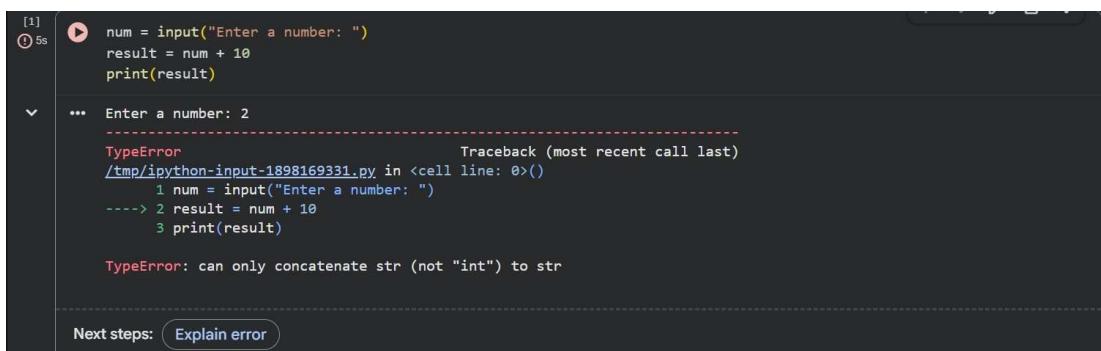


School of Computer Science and Artificial Intelligence

Lab Assignment # 7.2Submission Starts here

Program : B. Tech (CSE)
Specialization : - Screenshots:
Course Title : AI Assisted Coding Task 1 – Runtime Error Due to Invalid
Course Code : 23CS002PC304 Input Type
Semester : II
Academic Session : 2025-2026
Name of Student : A.Goutham
Enrollment No. : 2403A51L43
Batch No. : 52
Date : 30/01/26

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



The screenshot shows a Jupyter Notebook cell with the following code:

```
[1] ① 5s  num = input("Enter a number: ")
      result = num + 10
      print(result)

...  Enter a number: 2
-----
TypeError: can only concatenate str (not "int") to str
```

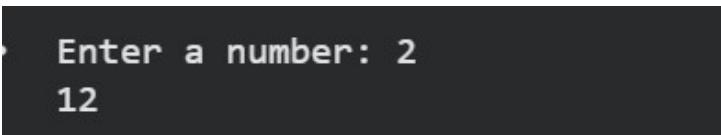
A tooltip at the bottom right says "Next steps: Explain error".

Output:



The screenshot shows a Jupyter Notebook cell with the following code:

```
①  -num = input("Enter a number: ")
+num = int(input("Enter a number: "))
      result = num + 10
      print(result)
```



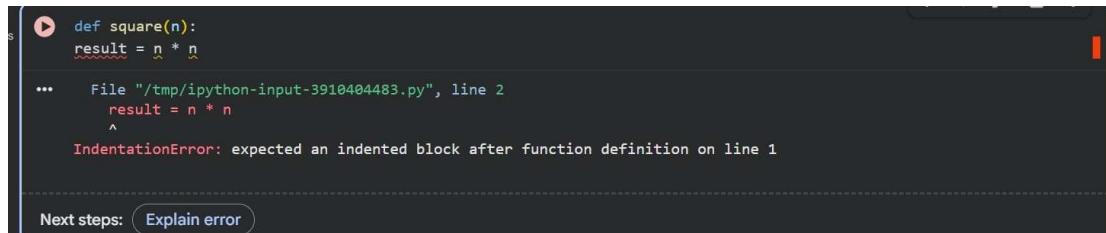
The screenshot shows a terminal window with the following output:

```
• Enter a number: 2
12
```

Task 2 – Incorrect Function Return Value

(Buggy Code):

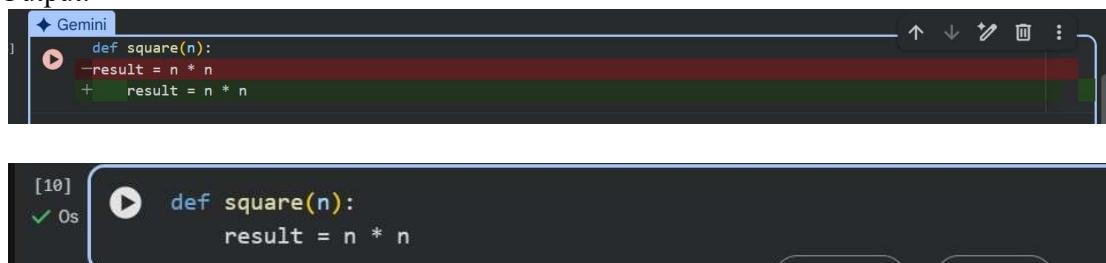
```
def square(n):
    result = n * n
```



```
def square(n):
    result = n * n
...     File "/tmp/ipython-input-3910404483.py", line 2
        result = n * n
          ^
IndentationError: expected an indented block after function definition on line 1
```

Next steps: Explain error

Output:

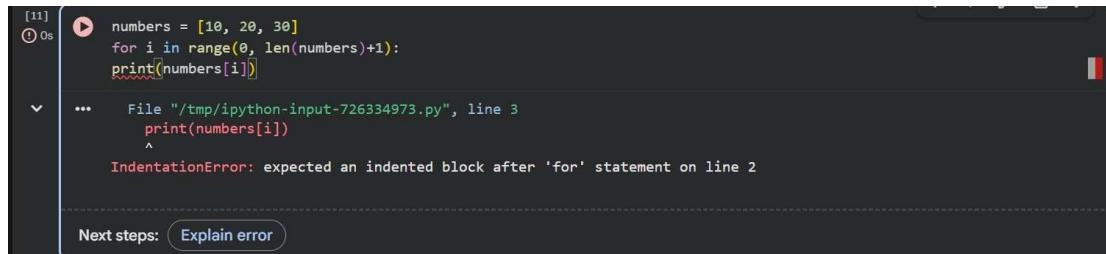


```
[10] Gemini
def square(n):
    result = n * n
```

Task 3 – IndexError in List Traversal

(Buggy Code):

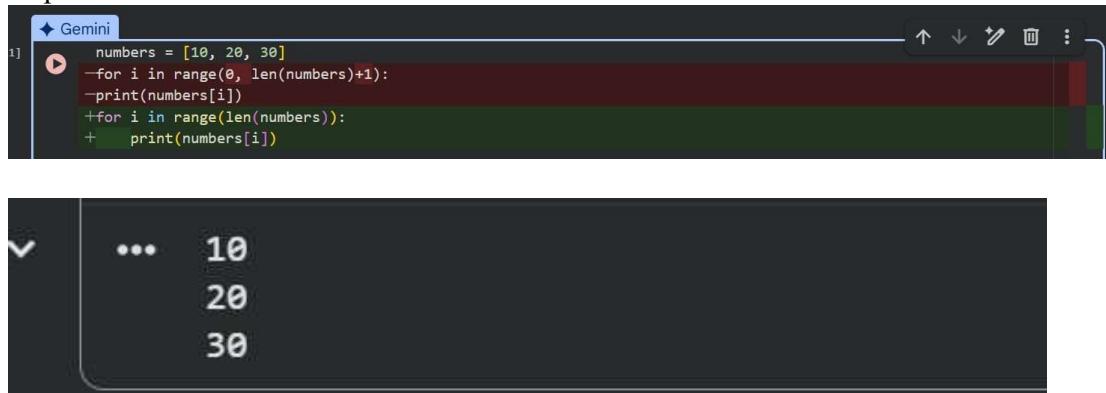
```
numbers = [10, 20, 30]
for i in
range(0, len(numbers)+1):
    print(numbers[i])
```



```
[11] Gemini
numbers = [10, 20, 30]
for i in range(0, len(numbers)+1):
    print(numbers[i])
...     File "/tmp/ipython-input-726334973.py", line 3
        print(numbers[i])
          ^
IndentationError: expected an indented block after 'for' statement on line 2
```

Next steps: Explain error

Output:



```
[1] Gemini
for i in range(0, len(numbers)+1):
    print(numbers[i])
for i in range(len(numbers)):
    print(numbers[i])
```

... 10
20
30

Task 4 – Uninitialized Variable Usage

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

A screenshot of a code editor window. The code is:[13] 0s
if True:
 pass
 print(total)

...
File "/tmp/ipython-input-1170978020.py", line 2
 pass
 ^
IndentationError: expected an indented block after 'if' statement on line 1

Next steps: Explain error

Output:

A screenshot of a code editor window. The code is:Gemini
if True:
 -pass
 + pass
 print(total)
-

```
Gemini
if True:
    pass
    +total = 0 # Or any other initial value
    print(total)
```

... 0

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)

The screenshot shows a code editor window with the following Python code:

```
[16] ① 0s
    marks = 85
    if marks >= 90:
        grade = "A"
    elif marks >= 80:
        grade = "C"
    else:
        grade = "B"
    print(grade)

...
File "/tmp/ipython-input-2691675298.py", line 3
    grade = "A"
    ^
IndentationError: expected an indented block after 'if' statement on line 2
```

Below the code, there is a button labeled "Next steps: Explain error".

Output:

The screenshot shows a code editor window with the following Python code:

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

Below the code, the output is shown in a dark bar:

```
...
...   C
```