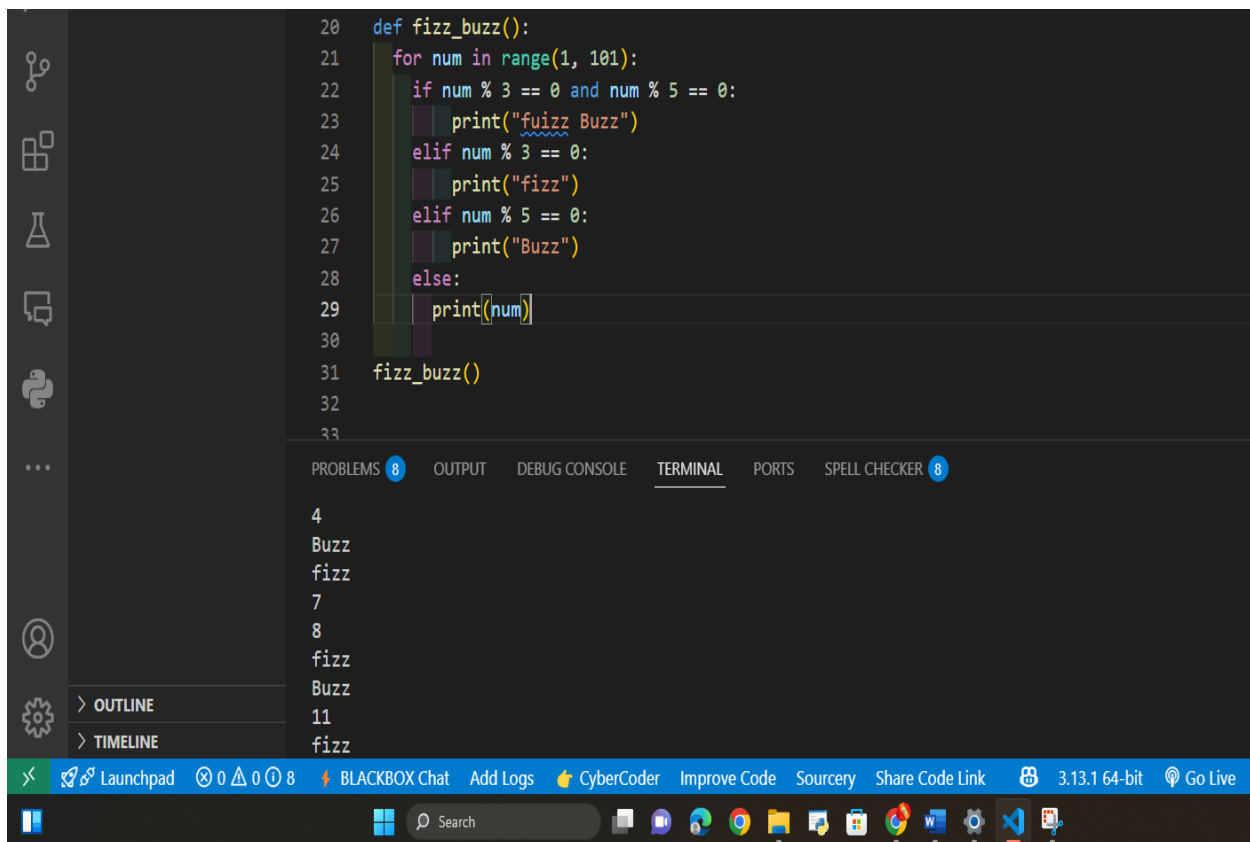


Lab Task 2

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Roll No: BSAIM-S24-033



```
20 def fizz_buzz():
21     for num in range(1, 101):
22         if num % 3 == 0 and num % 5 == 0:
23             print("fuizz Buzz")
24         elif num % 3 == 0:
25             print("fizz")
26         elif num % 5 == 0:
27             print("Buzz")
28         else:
29             print(num)
30
31 fizz_buzz()
32
33
```

PROBLEMS 8 OUTPUT DEBUG CONSOLE **TERMINAL** PORTS SPELL CHECKER 8

```
4
Buzz
fizz
7
8
fizz
Buzz
11
fizz
```

> OUTLINE
> TIMELINE

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The Fizz Buzz program is a classic coding exercise often used in interviews to test a candidate's understanding of loops, conditionals, and modular arithmetic. The function `fizz_buzz()` iterates through numbers from **1 to 100** and applies specific rules to determine what to print. If a number is divisible by both **3 and 5**, it prints "fuizz Buzz" (though there is a typo in "fuizz" that should be corrected to "Fizz"). If the number is only divisible by **3**, it prints "fizz", and if it is only divisible by **5**, it prints "Buzz". If none of these conditions are met, it simply prints the number itself. This implementation effectively demonstrates how to handle multiple conditions within a loop using the if-elif-else structure. However, correcting the

typo and ensuring proper indentation would make the code more polished and professional