**TASK REPORT**

**ALGORITHMS AND DATA STRUCTURE**

**WEEK 4**

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**INFORMATICS ENGINEERING**

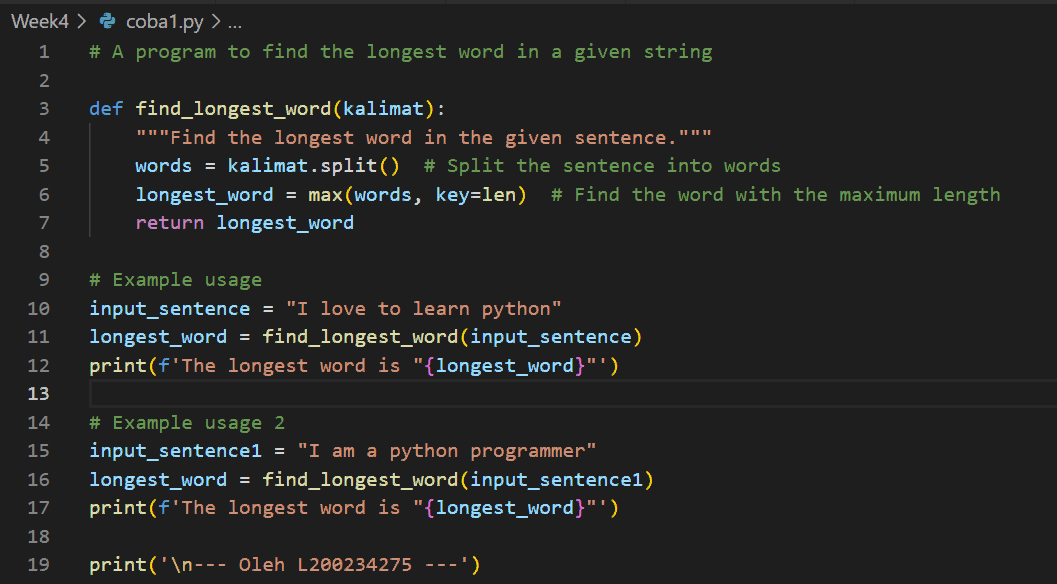
**FACULTY OF COMMUNICATION AND INFORMATICS**

**UNIVERSITAS MUHAMMADIYAH SURAKARTA**

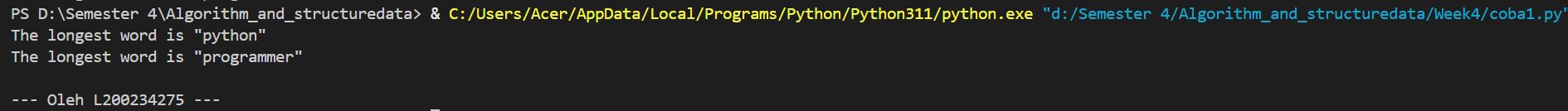
**2024/2025**

**TASK**

1. **Write a Python program to find the longest word in a given String.**

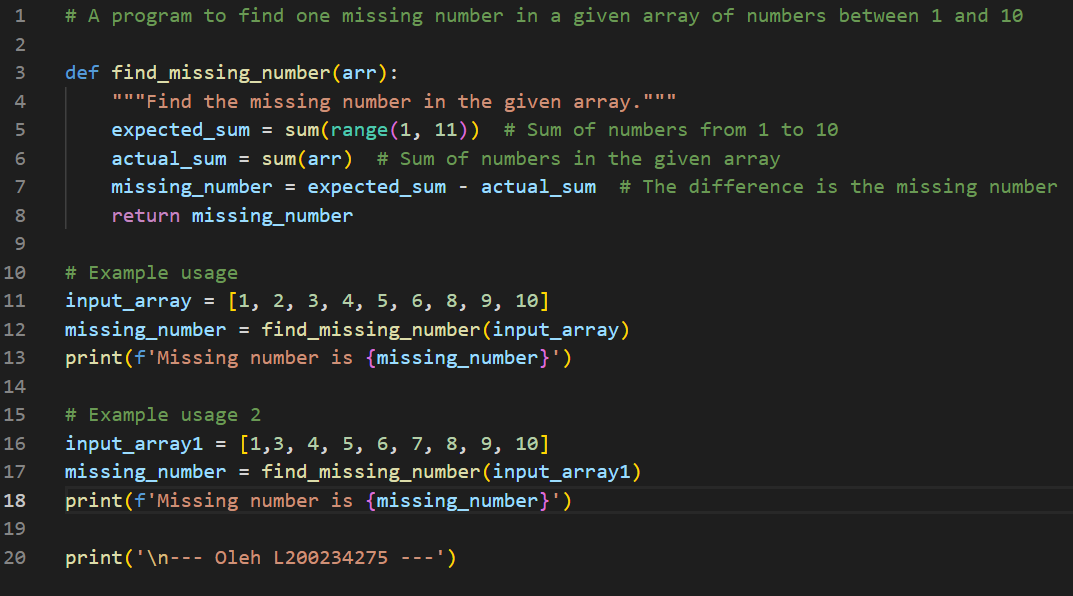
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Picture 1.1 the code.

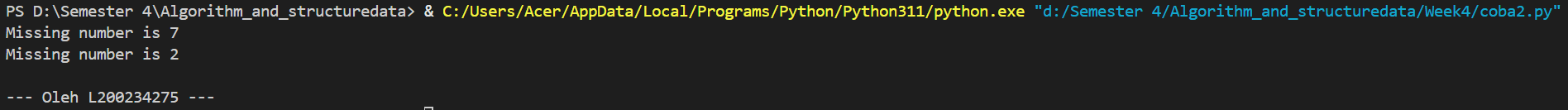


Picture 1.2 the output.

1. **Write a Python program to find one missing number in a given array of numbers between 1 and 10.**

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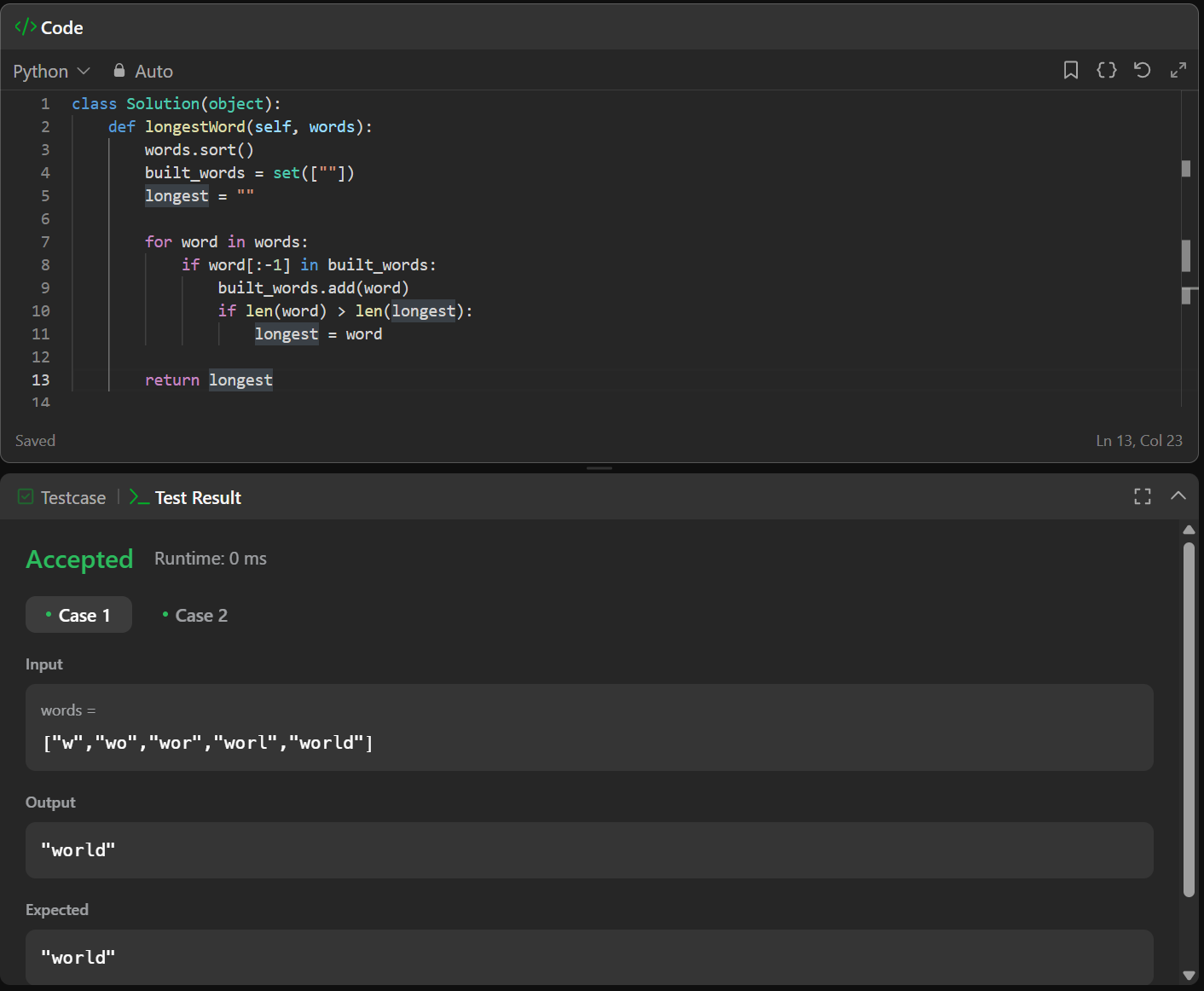
Picture 2.1 the code.



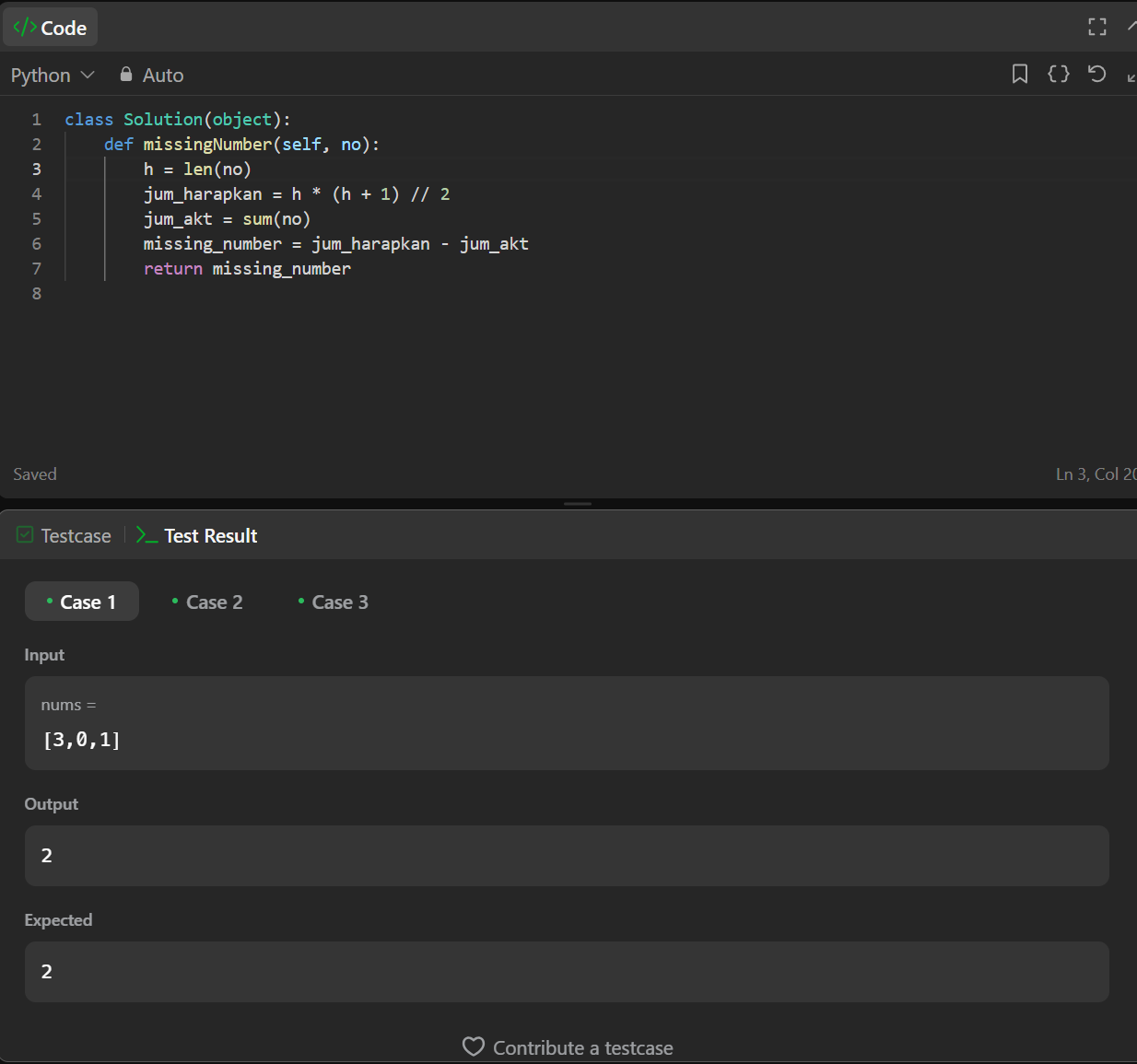
Picture 2.2 the output.

**Letcode**

1. [**Longest Word in Dictionary**](https://leetcode.com/problems/longest-word-in-dictionary/)

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1. **Missing Number**

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