1. PROGRAM

from collections import OrderedDict

n = int(input())

word\_counts = OrderedDict()

for \_ in range(n):

    word = input()

    if word in word\_counts:

        word\_counts[word] += 1

    else:

        word\_counts[word] = 1

print(len(word\_counts))

print(' '.join(map(str,word\_counts.values())))

1. PROGRAM:
2. class EvenStream:
3. def \_\_init\_\_(self):
4. self.current = 0
5. def get\_next(self):
6. num = self.current
7. self.current += 2
8. return num
9. class OddStream:
10. def \_\_init\_\_(self):
11. self.current = 1
12. def get\_next(self):
13. num = self.current
14. self.current += 2
15. return num
16. def print\_from\_stream(n, stream=None):
17. if stream is None:
18. stream = EvenStream()
19. for \_ in range(n):
20. print(stream.get\_next())
21. if \_\_name\_\_ == '\_\_main\_\_':
22. queries = int(input())
23. for \_ in range(queries):
24. stream\_name, n = input().split()
25. n = int(n)
26. if stream\_name == 'even':
27. print\_from\_stream(n)
28. else:
29. print\_from\_stream(n, OddStream())

Project:

In VS Code pre requestics  
1. Cd D:  
2. pip install fastapi uvicorn requests pydantic  
3. uvicorn main:app –reload  
4. <http://127.0.0.1:8000/docs>

CONTEXT:  
{

"context": "The Earth is the third planet from the Sun and the only astronomical object known to harbor life. According to radiometric dating and other sources of evidence, Earth formed over 4.5 billion years ago. Earth's gravity interacts with other objects in space, especially the Sun and the Moon, Earth's only natural satellite. Earth orbits around the Sun in about 365.25 days. This orbital period is known as an Earth year. During this time, Earth rotates about its axis about 366.25 times. Earth's axis of rotation is tilted with respect to its orbital plane, producing seasons on Earth. The gravitational interaction between Earth and the Moon causes ocean tides, stabilizes Earth's orientation on its axis, and gradually slows its rotation. Earth is the densest planet in the Solar System and the largest and most massive of the four rocky planets. Earth's atmosphere consists mostly of nitrogen and oxygen. Earth's surface is mainly covered with water, with oceans making up about 71% of the surface. The remaining 29% is land, consisting of continents and islands. Earth has a diverse climate and supports millions of species, including humans."

}  
  
QUESTION:

{

"question": "When Earth formed?"

}

Here are a few questions based on the paragraph:

1. **What natural feature surrounds the village described in the paragraph?**
2. **How do the children in the village spend their time?**
3. **What activities do the elders engage in under the banyan tree?**
4. **What scents are mentioned in the paragraph, and what do they signify?**
5. **Describe the atmosphere and lifestyle of the village as depicted in the paragraph.**
6. **How does the paragraph contrast village life with the modern world?**
7. **What is the significance of evenings in the village?**
8. **What does the phrase "peace wasn’t a goal but a way of life" imply about the villagers’ mindset?**

The Earth is the third planet from the Sun and the only astronomical object known to harbor life. According to radiometric dating and other sources of evidence, Earth formed over 4.5 billion years ago. Earth's gravity interacts with other objects in space, especially the Sun and the Moon, Earth's only natural satellite. Earth orbits around the Sun in about 365.25 days. This orbital period is known as an Earth year. During this time, Earth rotates about its axis about 366.25 times. Earth's axis of rotation is tilted with respect to its orbital plane, producing seasons on Earth. The gravitational interaction between Earth and the Moon causes ocean tides, stabilizes Earth's orientation on its axis, and gradually slows its rotation. Earth is the densest planet in the Solar System and the largest and most massive of the four rocky planets. Earth's atmosphere consists mostly of nitrogen and oxygen. Earth's surface is mainly covered with water, with oceans making up about 71% of the surface. The remaining 29% is land, consisting of continents and islands. Earth has a diverse climate and supports millions of species, including humans.

When Earth formed?

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How does the paragraph contrast village life with the modern world?

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What does the phrase "peace wasn’t a goal but a way of life" imply about the villagers’ mindset?