

## **187. Repeated DNA Sequences**

- The DNA sequence is composed of a series of nucleotides abbreviated as 'A', 'C', 'G', and 'T'.
- For example, "ACGAATTCCG" is a DNA sequence.
- When studying DNA, it is useful to identify repeated sequences within the DNA.
- Given a string *s* that represents a DNA sequence, return all the 10-letter-long sequences (substrings) that occur more than once in a DNA molecule. You may return the answer in any order.

### **Example 1:**

- **Input:** *s* = "AAAAACCCCCAAAAACCCCCCAAAAAGGGTTT"
- **Output:** ["AAAAACCCCC", "CCCCCAAAAA"]

### **Example 2:**

- **Input:** *s* = "AAAAAAAAAAAAA"
- **Output:** ["AAAAAAAAAA"]

### **Constraints:**

- $1 \leq s.length \leq 10^5$
- *s*[*i*] is either 'A', 'C', 'G', or 'T'.