103.   Word wrap problem

PROGRAM:

```python
def word_wrap(text, max_width):
    words = text.split()
    lines = []
    current_line = words[0]

    for word in words[1:]:
        if len(current_line) + len(word) < max_width:
            current_line += " " + word
        else:
            lines.append(current_line)
            current_line = word

    lines.append(current_line)
    return "\n".join(lines)

# Example Usage
text = "Lorem ipsum dolor sit amet, consectetur adipiscing elit. Sed do eiusmod tempor incididunt ut labore et dolore magna aliqua."
max_width = 20
wrapped_text = word_wrap(text, max_width)
print(wrapped_text)
```

OUTPUT:

```
Lorem ipsum dolor
sit amet,
consectetur
adipiscing elit. Sed
do eiusmod tempor
incididunt ut labore
et dolore magna
aliqua.


=== Code Execution Successful ===
```

TIME COMPLEXITY:O(n)