

Write a program that takes a sentence as input and finds the words in the sentence that have at least three vowels.

Program:

```
package main
import (
    "bufio"
    "fmt"
    "os"
    "strings"
)
func countVowels(word string) int {
    vowels := "aeiouAEIOU"
    count := 0
    for _, char := range word {
        if strings.ContainsRune(vowels, char) {
            count++
        }
    }
    return count
}
func findWordsWithThreeVowels(sentence string) []string {
    words := strings.Fields(sentence)
    result := make([]string, 0)
    for _, word := range words {
        if countVowels(word) >= 3 {
            result = append(result, word)
        }
    }
    return result
}
func main() {
    scanner := bufio.NewScanner(os.Stdin)
    fmt.Print("Enter a sentence: ")
    scanner.Scan()
    sentence := scanner.Text()

    result := findWordsWithThreeVowels(sentence)
    fmt.Printf("Sentence: %q\nOutput: %v\n", sentence, result)
}
```

Output:

```
Enter a sentence: I love programming and AI
Sentence: "I love programming and AI"
Output: [programming]
```

```
Enter a sentence: The quick brown fox jumps over the lazy dog
Sentence: "The quick brown fox jumps over the lazy dog"
Output: ['quick', 'brown', 'jumps']
```

```
Enter a sentence: OpenAI is an artificial intelligence company
Sentence: "OpenAI is an artificial intelligence company"
Output: ['OpenAI', 'artificial', 'intelligence', 'company']
|
```

```
Enter a sentence: Hello, how are you today?
Sentence: "Hello, how are you today?"
Output: []
```

```
Enter a sentence: Python is a powerful and versatile programming language
Sentence: "Python is a powerful and versatile programming language"
Output: ['powerful', 'versatile', 'programming', 'language']
```