

## 1. Extract Words Starting with a Capital Letter

### Problem Statement:

Write a program to extract all words from a text that start with a capital letter. Assume words are separated by spaces or punctuation.

### Sample Input:

```
"Welcome to the World of Java Programming. Start Today!"
```

### Sample Output:

Extracted words:

- Welcome
- World
- Java
- Programming
- Start
- Today

## 2. Validate IPv4 Addresses

### Problem Statement:

Write a program to validate IPv4 addresses. A valid IPv4 address has four octets separated by dots (.), where each octet is a number between 0 and 255.

### Sample Input:

```
["192.168.1.1", "256.100.50.25", "10.0.0.256", "127.0.0.1"]
```

### Sample Output:

Valid IPs:

- 192.168.1.1
- 127.0.0.1

Invalid IPs:

- 256.100.50.25 (octet exceeds 255)
- 10.0.0.256 (octet exceeds 255)

### Hints:

- Each octet can range from 0–255.

## 3. Find Duplicate Words in a Sentence

### Problem Statement:

Write a program to find all duplicate words in a given sentence. The program should ignore case and consider words as duplicates even if they appear in different cases.

### Sample Input:

```
"This is a test. This test is only a test."
```

### Sample Output:

Duplicate words:

- this
- is
- test
- a