



# **Tendencias En Desarrollo De Software Lab (IDS347L)**

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**Lorenzo Solano Martinez**

## **Plan de pruebas Escenarios positivos y negativos**

**Héctor Fco. Sánchez Álvarez – 1118020**

**Trimestre Febrero – Abril 2024**



## Test Plan: Count Dead Ants

### Objective

The objective of these tests is to verify if the CountDeadAnts() function returns the correct number of dead ants, considering the count of "heads", "bodies", and "tails" in the input string.

[GitHub source code](#)

### Positive Scenarios

#### 1. Valid Input

- a. **Input:** A string with a combination of "ant", "an", "at", and additional characters.
- b. **Expected Behavior:** The function should return the correct number of dead ants.

#### 2. All Ants Alive

- a. **Input:** A string that does not contain any "ant".
- b. **Expected Behavior:** The function should return 0.

#### 3. Heads Only

- a. **Input:** A string containing only "ant".
- b. **Expected Behavior:** The function should return 1.

#### 4. Bodies Only

- a. **Input:** A string containing only "an".
- b. **Expected Behavior:** The function should return 1.

#### 5. Tails Only

- a. **Input:** A string containing only "at".
- b. **Expected Behavior:** The function should return 1.

#### 6. Equal Count of Heads, Bodies, and Tails

- a. **Input:** A string containing the same count of "ant", "an", and "at".
- b. **Expected Behavior:** The function should return the total count of "ant", "an", and "at".



## Negative Scenarios

### 1. Null Input

- a. **Input:** null
- b. **Expected Behavior:** The function should return 0.

### 2. Empty String

- a. **Input:** ""
- b. **Expected Behavior:** The function should return 0.

### 3. String with White Spaces

- a. **Input:** " "
- b. **Expected Behavior:** The function should return 0.

### 4. String without Valid Characters

- a. **Input:** "xyz"
- b. **Expected Behavior:** The function should return 0.

