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**COURSE CODE:** CSC 235

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**PSEUDOCODE FOR THE ADAM PROGRAMMING LANAGUAGE.**

1. Create an empty array to store each test case in the file that will be read into the program.

2. Read the file into the program by iterating through each line.

3. If file is empty, display an error message to the console and terminate the program, else move to step 4;

4. Read each content of the file line and line and store each test case in the array created.

5. After reading the content of the file, close the file.

6. Write a function to take in an argument (test case) and count the number of steps taken before the first fall.

The function should loop through each character in the test case and the function should:

I.) The function should have a counter variable initialized at 0 and will increment for each number of steps(U) taken before the first fall.

ii.) The function should have a for loop that loops through each character in the test case, and for each number of steps taken before a first fall, counter variable is incremented.

iii.) When a first fall(D) is detected, the loop should terminate and the result of the counter variable returned as output from the function.

7. Create another empty array to store the result of each test case when passed through the function that counts the number of steps.

8. Loop through the array containing the test cases and for each iteration pass each value through the function that counts the number of steps and store the result in the new array created.

9. Loop through the second array containing the result and display the output to the console.

10. After the results have been displayed, the program should terminate.