STUDENT REPORT

DETAILS

Name

Saleha B

Roll Number

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EXPERIMENT

Title

TOSS AND SCORE

Description

You are playing a game of Toss and Score in the Hillwood City Mall with your friends. The game consists of the following rules:

Toss an unbiased coin multiple times.

For each heads you get 2 points and for each tails you lose 1 point.

The game ends as soon as you get 3 heads in a row, or you toss the coin throughout the length of string S.

You have been given a string 5 consisting of letters H (for heads) and T (for tails) denoting the sequence results you get on the tass of coin N times. Your task is to find and return an integer value representing the final score you get once the game ends.

Note: The final score can be negative too.

Input Specification:

Input1: A string s. representing the sequence of results you get on the toss of coin N times.

Sample Input:

HHHTT

Output:

6

Source Code:

```python
def calculate_score(s):
    score = 0
    consecutive_heads = 0

    # Iterate through each toss in the string
    for toss in s:
        if toss == 'H':
            score += 2
            consecutive_heads += 1
        else:
            score -= 1
            consecutive_heads = 0

        # End the game if 3 consecutive heads are found
        if consecutive_heads == 3:
            break

    return score

# Sample Input
s = input()

# Call the function and print the result
print(calculate_score(s))
```

RESULT

5 / 5 Test Cases Passed | 100 %