STUDENT REPORT

DETAILS

Name

N Prateeth Bharadwaj

Roll Number

3BR21EC109

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:

```
def toss(s):
    score=0
    cons_heads=0
    for i in s:
        if i=='H':
            score+=2
            cons_heads+=1
            if cons_heads==3:
                break
        elif i=='T':
            score-=1
            cons_heads=0
    return score
s=input()
print(toss(s))
```

RESULT

5 / 5 Test Cases Passed | 100 %