

19/11/2015

BLM1551
Introduction to Computer Science - I
Assignment - 2
(Due 30/11/2015)

Q1

Design a number converter and write the code in Pascal.

Program Details

1. Your program should convert the given number in decimal format (1<number<3999) into Roman number format.

Example

Input: 5

Output: V

Input: 9

Output: IX

Q2

Design a program which detects the longest repetitive head or tail symbol in a random coin status series.

Program Details

The program would randomly produce 'H' or 'T' in each round. The number of rounds should given by the user. (10,100,1000, or 10000). Your program would detect the longest repetitive condition (H or T) for the generated output.

Example

Input

Round Number: 10

H T H H H H T T T H

Output

Number of Repetition: 4

Coin Status: H

Input

Round Number: 10

H T H T T H T H T H

Output

Number of Repetition: 2

Coin Status: T

Input

Round Number: 10

H H T T H H T T H H

Output

Number of Repetition: 2

Coin Status: H,T