

Python Programming –Final Term Exam

ESS 112 - Programming I

International Institute of Information Technology – Bangalore

Problem 1

Marks: 6

Problem Description:

Write a program to convert a decimal number to a binary number

Algorithm to compute binary number from decimal number:

- Store the remainder when the number is divided by 2 in a result variable.
- Divide the number by 2
- Repeat the above two steps until the number is greater than zero.
- Result variable in reverse order will contain the binary number.

Input format:

Single line of input containing an integer with base 10 (decimal number)

Output format:

Output the binary number in a single line

Sample Input:

5

Sample output:

101