1. Write a program that takes an integer from the user and converts it into its proper binary representation using a LIFO structure.

|  |  |  |  |
| --- | --- | --- | --- |
| 2^3 | 2^2 | 2^1 | 2^0 |
| 8 | 4 | 2 | 1 |
| 10 | 1 | 0 | 1 | 0 |

10 mod 2 =0, 10/2=5

5 mod 2 =1, 5/2=2

2 mod 2=0, 2/2=1

1 mod 2 =1, 1 /2=0