Reverse Bits

Easy Accuracy: 46.67% Submissions: 2957 Points: 2

Given a **32 bit number X**, **reverse** its binary form and print the answer in decimal.

Example 1:

```
Input:
X = 1
Output:
2147483648
Explanation:
Binary of 1 in 32 bits representation-
00000000000000000000000000000001
Reversing the binary form we get,
10000000000000000000000000000000,
whose decimal value is 2147483648.
```

Example 2:

```
Input:
X = 5
Output:
2684354560
Explanation:
Binary of 5 in 32 bits representation-
00000000000000000000000000000101
Reversing the binary form we get,
10100000000000000000000000000000,
whose decimal value is 2684354560.
```

Your Task:
You don't need to read input or print anything. Your task is to complete the function **reversedBits()** which takes an Integer X as input and returns the answer.

Expected Time Complexity: O(log(X))
Expected Auxiliary Space: O(1)

Constraints:
$0 <= X < 2^{32}$

Company Tags

- Amazon
- Cisco
- HCL
- Nvidia
- Qualcomm

Topic Tags

- Bit Magic
- Mathematical

Related Courses

- Must Do Interview Preparation

Related Interview Experiences

- Qualcomm interview experience set 8 experienced