Get lowest set bit of a number

ALGORITHM:

STEP 1: Start the program

STEP 2: using integer num,order ,i.

STEP 3: Print enter a number and use scanf %d and num

STEP 4: Usinf for loop and if condition

STEP 5: And finally return 0.

COMMANDS:

printf("Enter any number: ");

scanf("%d", &num); // Input number from user

order = INT\_SIZE - 1; // Initially set the order to max size of integer

PROGRAM:

#include <stdio.h>

#define INT\_SIZE sizeof(int) \* 8

int main()

{

int num, order, i;

printf("Enter any number: ");

scanf("%d", &num);

order = INT\_SIZE - 1;

for(i=0; i<INT\_SIZE; i++)

{

if((num>>i) & 1)

{

order = i;

break;

}

}

printf("Lowest order set bit in %d is %d", num, order);

return 0;

}

OUTPUT:

Enter any number: 34

Lowest order set bit in 34 is 1