Count trailing zeros in a binary number

ALGORITHM:

STEP 1: Start the program

STEP 2: Integer using number,count=0

STEP 3: Print enter a number and usung %d and num

STEP 4: And using while loop condition num and 1.

STEP 5: Print Total number of trailing zeros

STEP 6: Finally return 0

COMMANDS:

printf("Enter any number: ");

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

while(!(num & 1))

// using while loop to short the program

PRPGRAM:

#include <stdio.h>

int main()

{

int num, count=0;

printf("Enter any number: ");

scanf("%d", &num);

while(!(num & 1))

{

count++;

num >>= 1;

}

printf("Total number of trailing zeros = %d.", count);

return 0;

}

OUTPUT:

Enter any number: 49

Total number of trailing zeros = 0.