18 June

**Create Write a C Program to generate first N Magic Numbers.**

#include <bits/stdc++.h>

using namespace std;

// Function to find nth magic numebr

int nthMagicNo(int n)

{

int pow = 1, answer = 0;

// Go through every bit of n

while (n)

{

pow = pow\*5;

// If last bit of n is set

if (n & 1)

answer += pow;

// proceed to next bit

n >>= 1; // or n = n/2

}

return answer;

}

// Driver program to test above function

int main()

{

int n = 5;

cout << "nth magic number is " << nthMagicNo(n) << endl;

return 0;

}

Output :

nth magic number is 130