**28.Neon Number**

**Program:**

#include <iostream>

using namespace std;

#include <math.h>

int checkNeon(int x)

{

// Storing the square of x

int sq = x \* x;

// Calculating the sum of

// digits of sq

int sum\_digits = 0;

while (sq != 0)

{

sum\_digits = sum\_digits + sq % 10;

sq = sq / 10;

}

return (sum\_digits == x);

}

// Driver Code

int main(void)

{

// Printing Neon Numbers upto 10000

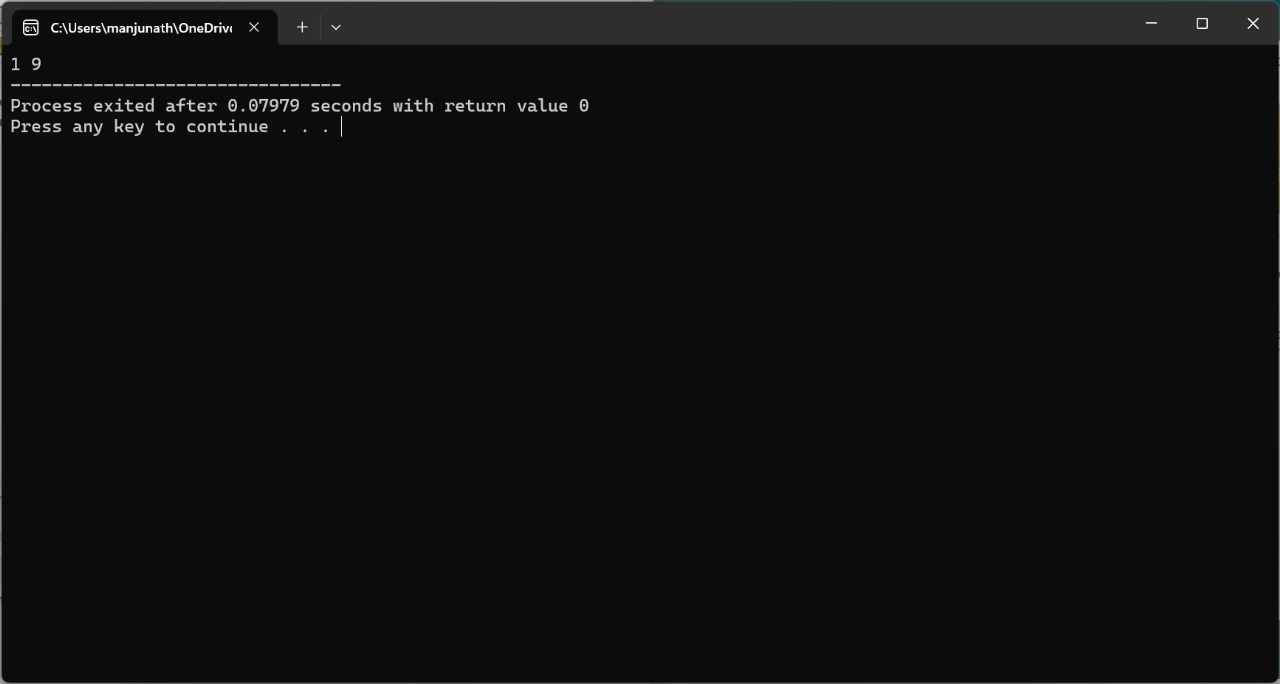
for (int i = 1; i <= 10000; i++)

if (checkNeon(i))

cout << i << " ";

}

**OUTPUT:**

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