**30. narcissistic number**

**PROGRAM:**

#include<iostream>

using namespace std;

int countDigit(int n)

{

if (n == 0)

return 0;

return 1 + countDigit(n / 10);

}

bool check(int n)

{

int l = countDigit(n);

int dup = n;

int sum = 0;

while (dup)

{

sum += pow(dup % 10, l);

dup /= 10;

}

return (n == sum);

}

int main()

{

int n = 1634;

if (check(n))

cout << "yes";

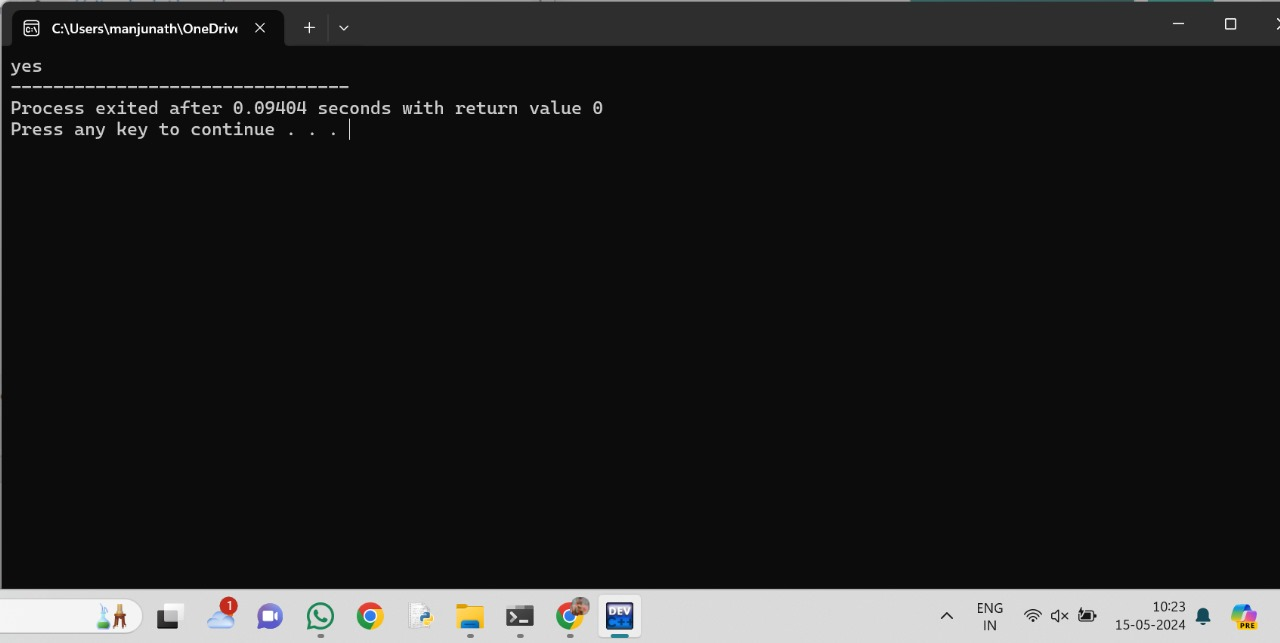
else

cout << "no";

return 0;

}

**OUTPUT:**

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