#include<stdio.h>

#include<conio.h>

void main()

{

int i, n, n1, s1=0,j,k,en,sn;

long fact;

printf("\n\n Strong Numbers within a range of 1 to 1000 :\n ");

printf("------------------------------------------------------\n");

sn=1; //starting range number

en=1000; //ending range number

for(k=sn;k<=en;k++)

{

n1=k; //initialising each number from 1 to 1000

s1=0; //sum

for(j=k;j>0;j=j/10)

{

fact = 1;

for(i=1; i<=j % 10; i++)

{

fact = fact \* i;

}

s1 = s1 + fact;

}

if(s1==n1) // checking if the sum is equal to the number

printf("%d ", n1);

}

printf("\n\n");

}

**Tokens**

|  |  |
| --- | --- |
| Identifiers | i, n, n1, s1, j, k, en, sn, fact, main, printf, scanf, |
| Keywords | void, int, long, for, if |
| Special symbols | , = ( ) { } ; / |
| Operators | + = \* > < / % |
| Strings | "\n\n Strong Numbers within a range of 1 to 1000 :\n " and "------------------------------------------------------\n" |
| Constants | 0, 1, 1000 |
| comments | //starting range number, //ending range number, // checking if the sum is equal to the number |