

My Maya

Owl Code



Apt Logic

Logout



J-Path

Contact

Home / Owl ground / Self-Dividing Numbers

Points: 40

Submissions: 3413



Light



Description

Self-Dividing Numbers

Program Description

A *self-dividing number* is a number that is divisible by every digit it contains.

For example, 128 is a self-dividing number because $128 \% 1 == 0$, $128 \% 2 == 0$, and $128 \% 8 == 0$.

Also, a self-dividing number is not allowed to contain the digit zero.

Given a lower and upper number bound, output a list of every possible self dividing number, including the bounds if possible.

Input Format

A single line input contains two-separated integers are A,B.

Output Format

Print the output according to the discription.

Constraints

$$1 \leq A \leq B \leq 10^4$$

Input-1

1
22

Output-1

1 2 3 4 5 6 7 8 9 11 12 15 22

Input-2

10 20

Output-2

C - GCC 11.1.0



Timer

0:07 sec



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```
1  #include<stdio.h>
2  int main()
3  {
4      int a, b;
5      scanf("%d %d", &a, &b);
6      for (int i = a; i <= b; i++)
7      {
8          int temp = i;
9          int flag = 1;
10         while (temp != 0)
11         {
12             int r = temp % 10;
13             if (r == 0 || i % r != 0)
14             {
15                 flag = 0;
16                 break;
17             }
18             temp = temp / 10;
19         }
20         if (flag == 1)
```

```

21             printf("%d ", i);
22         }
23     return 0;
24 }

```

 Run Code

Compiler Response

#	Testcase	Input	Expected Output	Your Output	Memory	CPU time	Result
1	1 22	1 22	1 2 3 4 5 6 7 8 9 11 12 15 22	1 2 3 4 5 6 7 8 9 11 12 15 22	1408 KB	3.654 ms	Pass
2	2 10	2 10	2 3 4 5 6 7 8 9	2 3 4 5 6 7 8 9	1408 KB	2.584 ms	Pass

All hidden testcases passed



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Call: +91 83 43 81 81 81

Email: support@technicalhub.io

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