

Write a query to print all prime numbers less than or equal to 1000. Print your result on a single line, and use the ampersand (&) character as your separator (instead of a space).

For example, the output for all prime numbers ≤ 10 would be:

2&3&5&7

MySQL



```

1  SELECT GROUP_CONCAT (NUMB SEPARATOR '&')
2  FROM (
3      SELECT @num:=@num+1 as NUMB FROM
4      information_schema.tables t1,
5      information_schema.tables t2,
6      (SELECT @num:=1) tmp
7  ) tempNum
8  WHERE NUMB<=1000 AND NOT EXISTS(
9      SELECT * FROM (
10         SELECT @nu:=@nu+1 as NUMA FROM
11         information_schema.tables t1,
12         information_schema.tables t2,
13         (SELECT @nu:=1) tmp1
14         LIMIT 1000
15     ) tatata
16     WHERE FLOOR (NUMB/NUMA)=(NUMB/NUMA) AND
17     NUMA<NUMB AND NUMA>1

```

Line: 17 Col: 6

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Run Code

Submit Code

Congratulations!

You have passed the sample test cases. Click the submit button to run your code against all the test cases.

Sample Test case 0

Your Output (stdout)

```

1  2&3&5&7&11&13&17
    &19&23&29&31&37&
    41&43&47&53&59&6
    1&67&71&73&79&83
    &89&97&101&103&1
    07&109&113&127&1
    31&137&139&149&1
    51&157&163&167&1
    73&179&181&191&1
    93&197&199&211&2
    23&227&229&233&2
    39&241&251&257&2
    63&269&271&277&2
    81&283&293&307&3
    11&313&317&331&3
    37&347&349&353&3
    59&367&373&379&3
    83&389&397&401&4

```