

Print prime Numbers

Problem statement

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
```

Code:

```
SELECT GROUP_CONCAT(NUMB SEPARATOR '&')
FROM (
    SELECT @num:=@num+1 as NUMB FROM
    information_schema.tables t1,
    information_schema.tables t2,
    (SELECT @num:=1) tmp
) tempNum
WHERE NUMB<=1000 AND NOT EXISTS(
    SELECT * FROM (
        SELECT @nu:=@nu+1 as NUMA FROM
        information_schema.tables t1,
        information_schema.tables t2,
        (SELECT @nu:=1) tmp1
        LIMIT 1000
    ) tatata
    WHERE FLOOR(NUMB/NUMA)=(NUMB/NUMA) AND
    NUMA<NUMB AND NUMA>1
)
```