

Print Prime Numbers ★

47/58 challenges solved

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Problem

Submissions

Leaderboard

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

MS SQL Server



```
2 ▾ /*
3 Enter your query here.
4 Please append a semicolon ";" at the end of the query and enter your query in a single line to
  avoid error.
5 */
6 declare @i int = 3;
7 declare @stringa varchar(max)='2&';
8 while (@i<1000)
9 begin
10     declare @trovato bit = 0;
11     declare @j int =2;
12     while (@j <@i)
13     begin
14         if (@i%@j=0)
15         begin
16             set @trovato =1;
17
18         end
19         set @j = @j+1;
20     end
21     if (@trovato =0)
22         set @stringa= @stringa +CAST(@i AS VARCHAR(20)) + "&";
23
24     set @i = @i+1;
25 end
26 print( LEFT(@stringa,len(@stringa) -1 ));
```

Line: 7 Col: 32

Upload Code as File

Run Code

Submit Code

Test case 0

Compiler Message

Success

Input (stdin)

Download

1 **INPUT**

Expected Output

Download

1 2&3&5&7&11&13&17&19&23&29&31&37&41&43&47&53&59&61&67&71&73&79&83&89&97&101&103&107&109&113&127&131&137&139&149&151&157&163&167&173&179&181&191&193&197&199&211&223&227&229&233&239&241&251&257&263&269&271&277&281&283&293&307&311&313&317&331&337&347&349&353&359&367&373&379&383&389&397&401&409&419&421&431&433&439&443&449&457&461&463&467&479&487&491&499&503&509&521&523&541&547&557&563&569&571&577&587&593&599&601&607&613&617&619&631&641&643&647&653&659&661&673&677&683&691&701&707&719&727&733&739&743&751&757&761&769&773&787&797&809&811&821&823&829