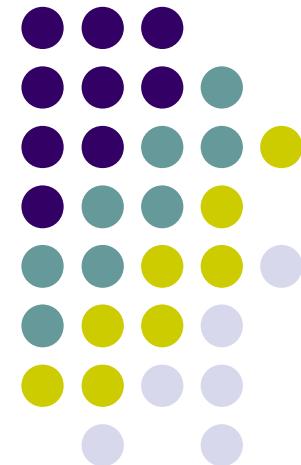


CS-TA HW10

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Date:2007/12/5





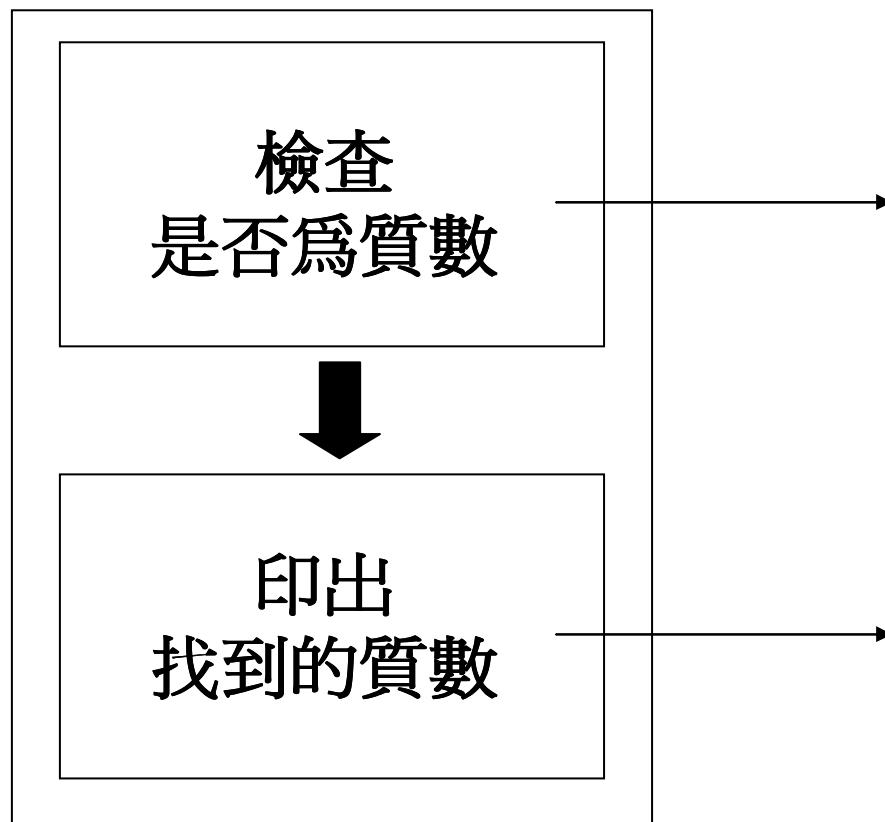
HW10_1

- Modify Ex4_09.cpp so that it will only output prime numbers which are smaller than 100.



HW10_1 (Hint)

EX4_9



控制離開條件
(size=100)

- **if(...) + break**
- **while(...)**

控制列印條件
(size=100)

- **for(; ... ;)**



HW10_1 (Hint)

- 執行結果

A screenshot of a Windows command-line window titled "C:\Documents and Settings\mattkidd\桌面\hw10_1\hw10_1.exe". The window contains a table of prime numbers:

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

Below the table, the text "請按任意鍵繼續" is displayed, followed by a series of scroll bars and window controls.



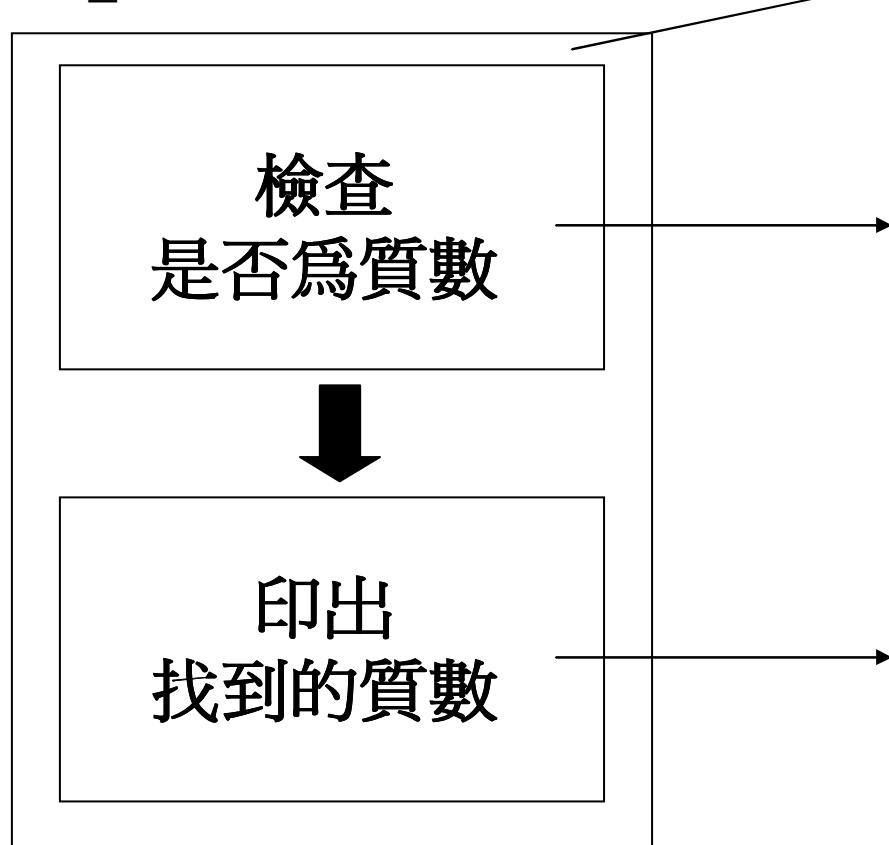
HW10_2

- Modify the previous program, so that it will ask users to input a positive integer N , and output all prime numbers which are smaller than N .



HW10_2 (Hint)

EX4_9



輸入條件

- `cin >> N;`

控制離開條件
(`size=N`)

- `if(...) + break`
- `while(...)`

控制列印條件
(`size=N`)

- `for(; ... ;)`



HW10_2 (Hint)

- 執行結果

```
C:\Documents and Settings\mattkidd\桌面\hw10_2\hw10_1.exe
Please enter a positive integer N:300
      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
請按任意鍵繼續 . . .
```