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#include <iostream>
#include <iomanip>

using namespace std;

#include <process.h>
int main ()
{
    unsigned long x, y;

    cout << "Enter a Number: ";
    cin >> x;

    for(y = 2; y <= x/2; y++)
        if(x%y == 0)
        {
            cout << "Not Prime, Divisible by " << y << endl;
        }
    cout << "Prime";
    return 0;
}
```