





Example: Is it prime?

February 12, 2008

- Write a program fragment to determine whether a given integer n is prime. Assume n>1.
- Reminder: rem(x,y) returns the remainder of x divided by y.

Lecture 7



```
%Given n, display whether it is prime
divisor= 2;
while ( mod(n,divisor)~=0 )
    divisor= divisor + 1;
end
if (divisor==n)
    fprintf('%d is prime\n', n)
else
    fprintf('%d is composite\n', n)
end
```







```
disp('Show the times table for a specified range')
lo= input('What is the lower bound? ');
hi= input('What is the upper bound? ');
for r = lo:hi
% at row r
for c = lo:hi
% at column c
fprintf('%6d ', r*c)
end
fprintf('\n')
end
```



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