print "enter a number: "n = io.read("*number") for i = 2,n do if n%i==0 then io.write(i) io.write(" is a factor of ") print(n) endend stream: assignment:= functioncall: for: name:print varlist: assignment:= block: explist: args: name:n functioncall: int:2 if: string:enter a number: name:i name:n binop:== block: var:. args: explist: functioncall: name:io binop:% int:0 functioncall: functioncall: name:read string:*number name:i var:. args: var:. args: name:print name:n args: explist: name:io explist: name:write name:io explist: name:write name:i string: is a factor of name:n