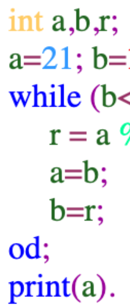
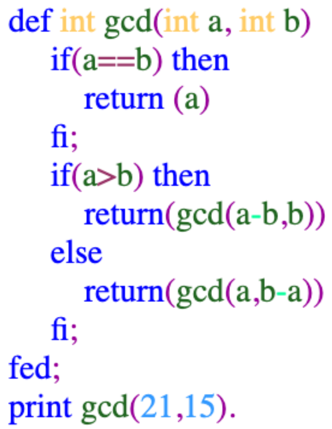
Four tests are posted on MLS. The output for test2 can look in a browser like this:



```
int a,b,r;
a=21; b=1r5;
while (b<>0) do
    r = a % b;
    a=b;
    b=r;
od;
print(a).
```

The output for test4 can look in a browser like this:



```
def int gcd(int a, int b)
    if(a==b) then
       return (a)
    fi;
    if(a>b) then
       return(gcd(a-b,b))
    else
       return(gcd(a,b-a))
    fi;
fed;
print gcd(21,15).
```

The easiest way to achieve this look is to use "old-fashioned" <font> tag for HTML encoding of the source. See https://www.w3schools.com/tags/tryit.asp?filename=tryhtml_font_color to get an idea how to do this.

What is important is that the comment in HTML (that is obviously not displayed by a browser) must contain the related stream of tokens. In case of test2 this can be something like

```
<!--
<INT> <ID, 16> <COMMA> <ID, 17> <COMMA> <ID, 18> <SEMICOLON> <ID, 16>
<OPERATOR,'=' > <Integer,21> <SEMICOLON> <ID, 17> <OPERATOR,'=' > <ERROR>
<Integer,5> <SEMICOLON> <WHILE> <OPEN_BRACKET, '(' > <ID, 17> <OPERATOR,'<>'
> <Integer,0> <CLOSED_BRACKET, ')' > <DO> <ID, 18> <OPERATOR,'=' > <ID, 16>
<OPERATOR,'%' > <ID, 17> <SEMICOLON> <ID, 16> <OPERATOR,'=' > <ID, 17>
<SEMICOLON> <ID, 17> <OPERATOR,'=' > <ID, 18> <SEMICOLON> <OD>
<SEMICOLON> <PRINT> <OPEN_BRACKET, '(' > <ID, 16> <CLOSED_BRACKET, ')' >
<DOT>
-->
```

Inside produced HTML encoding.

Note, those are just clarifications… Please do not represent results exactly as above. Try to chose better colors and better way to represent tokens!

Another comment is related to how the testing of your submission will be organized. We will compile your submission in command line environment using

```
> gcc LexAn.c -o LexAn
```

or

```
> javac LexAn.java
```

If your submission does not compile – it is not our fault… After this we will run several tests using input output redirection, such as for example

```
> LexAn < test1.txt > test1.html
```

or

```
> java LexAn < test1.txt > test1.html
```

If this is successful, we will open HTML file in browser for visual inspection and for viewing the source of the HTML file (expecting to see a stream of tokens in the comment).

Final comment is related to the symbol table. Although you do not need to present the content of it as the output, you obviously need to have it implemented and updated during the lexical analysis. Note, that <ID, 17> and <ID, 18> are tokens representing variables, with attribute value being the index of Symbol Table entry that corresponds to that variable.