Lab 2 Report | Parser

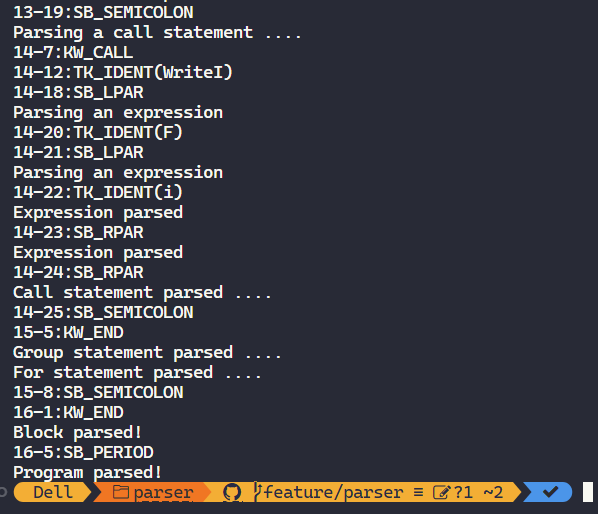
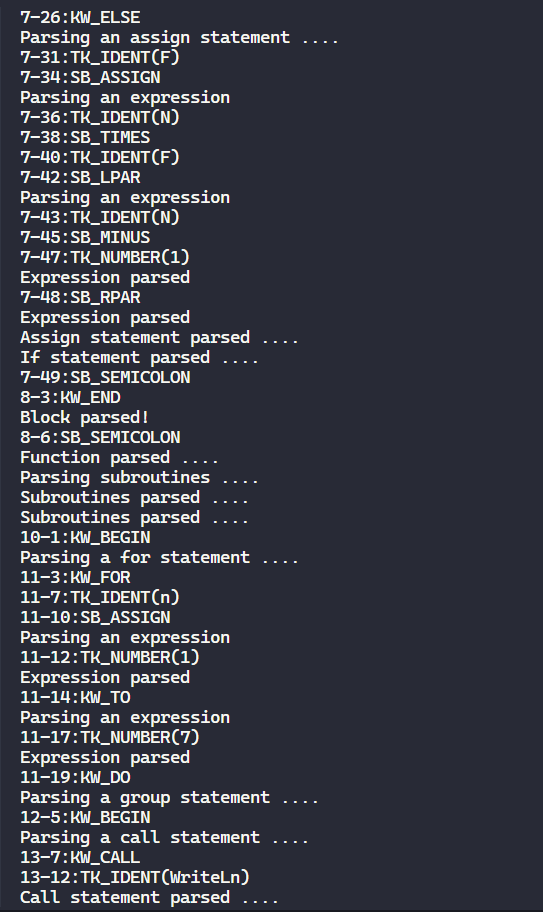
Nguyễn Tiểu Phương 20210692

As the instruction only requires the reporting of only one example, I choose **Example 2** – neither too long nor too short for demonstration purposes.

# Results

A screenshot of a computer

Description automatically generated



# Errors

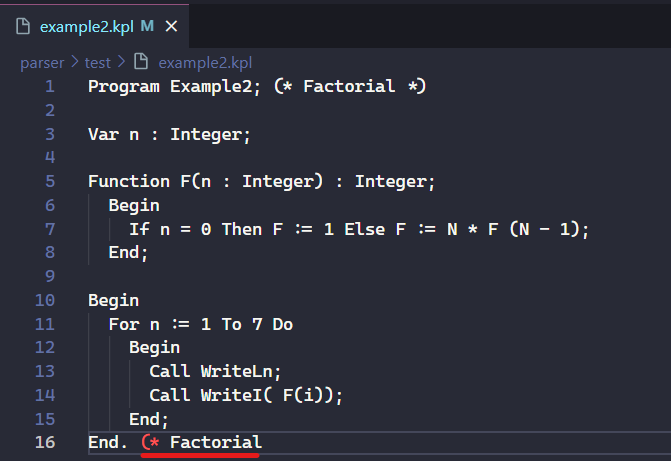
Similar to Lab 1 report, we can invoke the errors by making certain changes to the source program.

The following errors are demonstrated each by 2 screenshots:

* one screenshot of the change in the source program,
* one screenshot of the corresponding output produced by the parser.

I underlined the changes and the errors in red.

## ERM\_ENDOFCOMMENT "End of comment expected!"





## ERM\_IDENTTOOLONG "Identification too long!"

A screenshot of a computer program

Description automatically generated

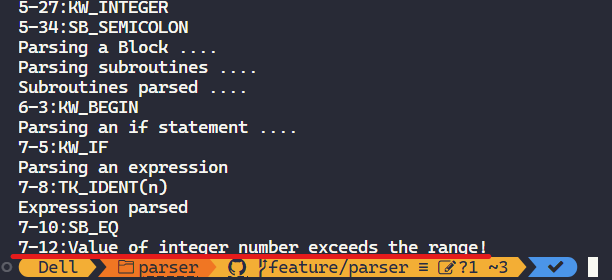
A screen shot of a computer

Description automatically generated

## ERM\_NUMBERTOOLONG "Value of integer number exceeds the range!"

A screenshot of a computer program

Description automatically generated



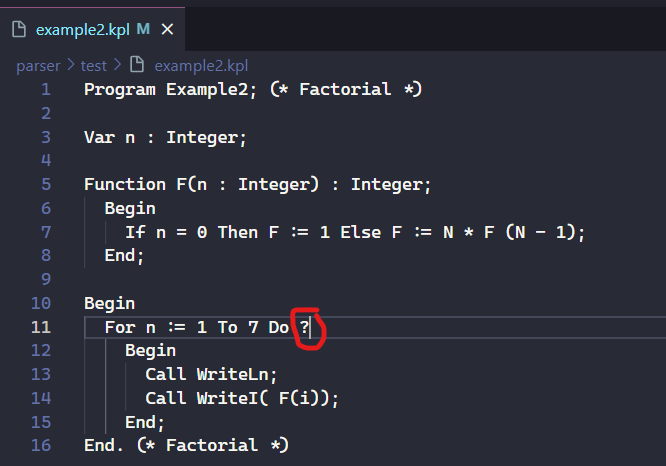
## ERM\_INVALIDCHARCONSTANT "Invalid const char!"

A screenshot of a computer program

Description automatically generatedA computer screen shot of a program

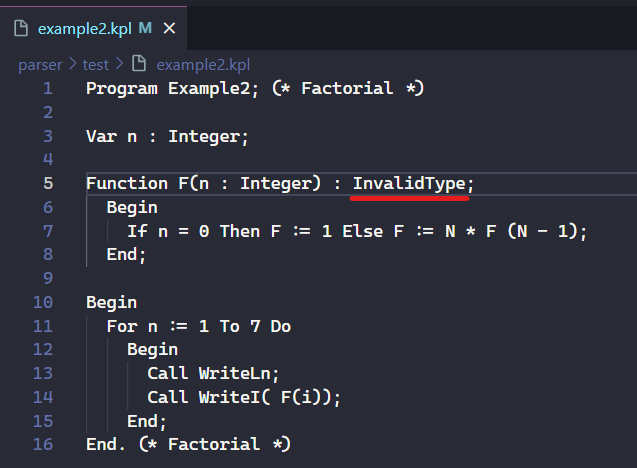
Description automatically generated

## ERM\_INVALIDSYMBOL "Invalid symbol!"

A screenshot of a computer program

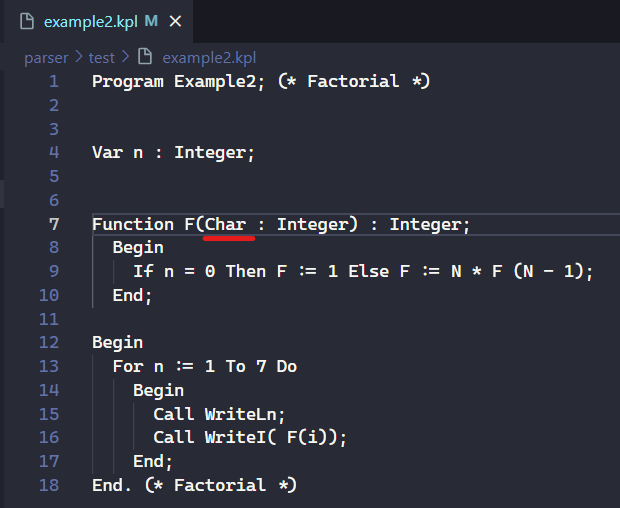
Description automatically generated

## ERM\_INVALIDBASICTYPE "Invalid basic type!"

A screenshot of a computer

Description automatically generated

## ERM\_INVALIDPARAM "Invalid parameter!"

 A screenshot of a computer

Description automatically generated

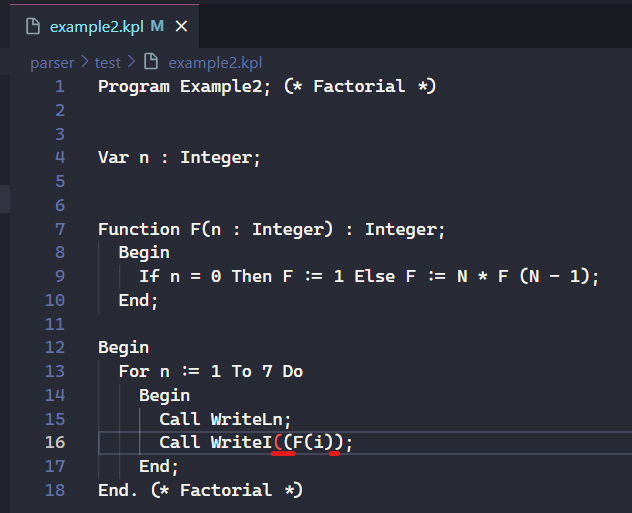
## ERM\_INVALIDSTATEMENT "Invalid statement!"

A screenshot of a computer program

Description automatically generated A screenshot of a computer

Description automatically generated

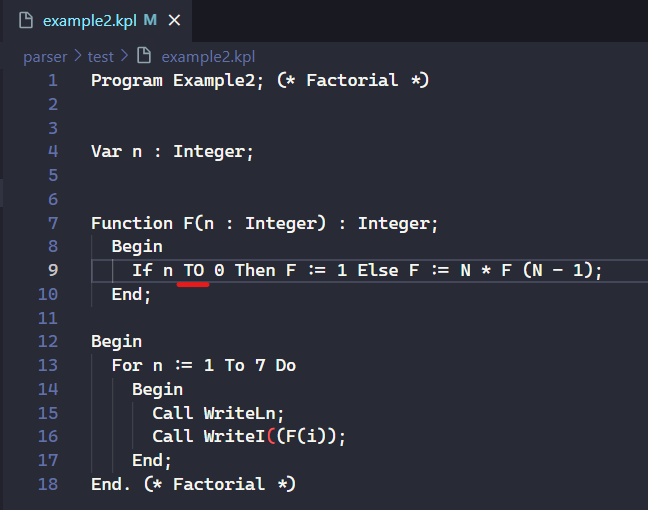
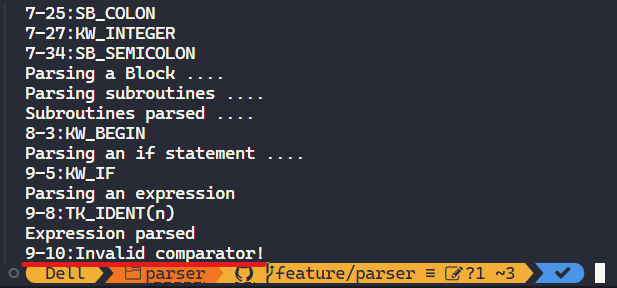
## ERM\_INVALIDARGUMENTS "Invalid arguments!"



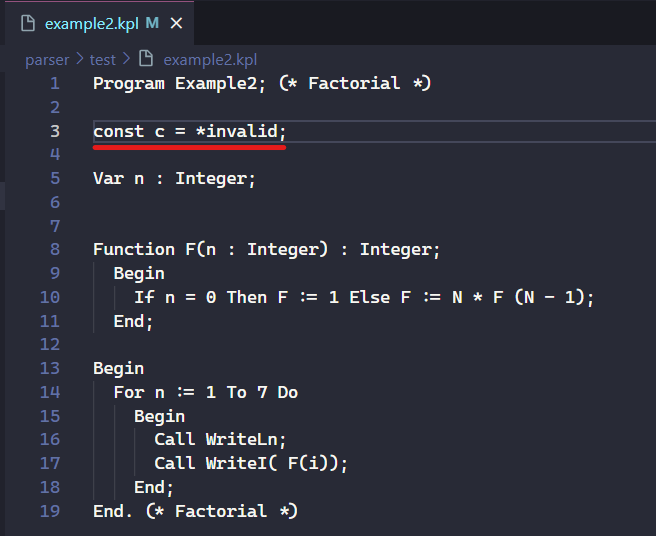
A screen shot of a computer

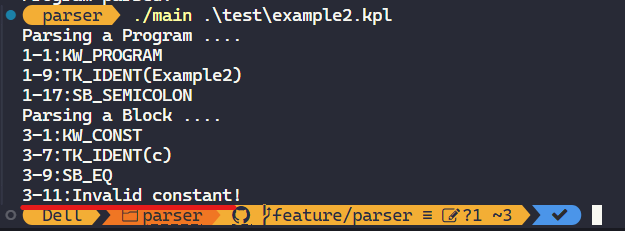
Description automatically generated

## ERM\_INVALIDCOMPARATOR "Invalid comparator!"

## ERM\_INVALIDCONSTANT "Invalid constant!"





## ERM\_INVALIDTYPE "Invalid type!"

A screenshot of a computer program

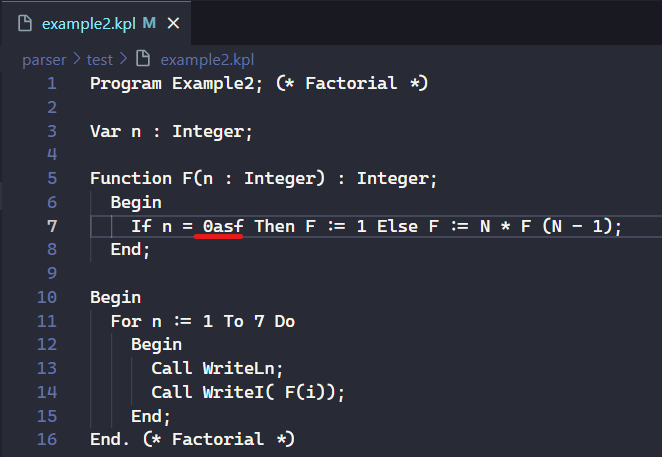
Description automatically generated A screen shot of a computer

Description automatically generated

## ERM\_INVALIDEXPRESSION "Invalid expression!"

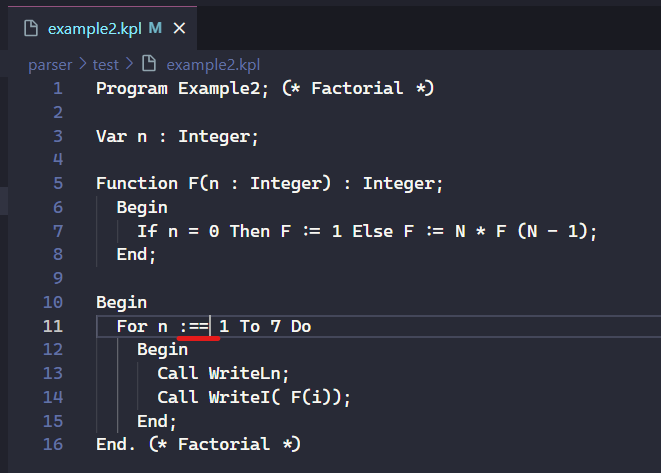
**This is not required in the assignment instructions.** To do this, we would need to compute FIRST and FOLLOW sets of all symbols – which is quite a demanding task itself.

## ERM\_INVALIDTERM "Invalid term!"

A screen shot of a computer

Description automatically generated

## ERM\_INVALIDFACTOR "Invalid factor!"

A screenshot of a computer

Description automatically generated

THE END