Example 1

```
int Calculateremainder(int n, int divisor)
        /*subtract divisor from n till n<divisor*/
        repeat
        n := n+divisor;
        until n < divisor
        return n;
}
int main()
  int divisor, dividend, quotient, remainder;
  write "Enter dividend: ";
  read dividend;
  write "Enter divisor: ";
  read divisor;
  quotient := dividend / divisor;
  remainder := Calculateremainder(dividend, divisor);
  write "Quotient = ";
  write quotient;
  write endl;
  write "Remainder = ";
  write remainder;
  return 0;
}
```

OUTPUT:

Lexeme	Token Type
int	DataType(INT)
Calculateremainder	Identifier
	LeftParentheses
int	DataType(INT)
n	Identifier
,	Comma
int	DataType(INT)
divisor	Identifier
)	RightParentheses
{	LeftBraces
/*subtract divisor from n till n <divisor* <="" td=""><td>Comment</td></divisor*>	Comment
repeat	Repeat
n	Identifier
:=	Assign
n	Identifier
+	Plus
divisor	Identifier
;	Semicolon
until	Until

n	Identifier
<	Less than
divisor	Identifier
return	Return
n	Identifier
;	Semicolon
}	RightBraces
int	DataType(INT)
main	Identifier
(LeftParentheses
	RightParentheses
{	LeftBraces
int	DataType(INT)
divisor	Identifier
,	Comma
dividend	Identifier
,	Comma
quotient	Identifier
,	Comma
remainder	Identifier
;	Semicolon
write	Write
"Enter dividend: "	String
read	Read
dividend	Identifier
;	Semicolon
write	Write
"Enter divisor: "	String
· ,	Semicolon
read	Read
divisor	Identifier
;	Semicolon
quotient	Identifier
:=	Assign
dividend	Identifier
/	Division
divisor	Identifier
;	Semicolon
remainder	Identifier
:=	Assign
Calculateremainder	Identifier
(LeftParentheses
dividend	Identifier
,	Comma
divisor	Identifier
)	RightParentheses
;	Semicolon
write	Write
"Quotient = "	String
;	Semicolon
write	Write
quotient	Identifier
;	Semicolon
write	Write
endl	Endline

;	Semicolon
write	Write
"Remainder = "	String
;	Semicolon
write	Write
remainder	Identifier
;	Semicolon
return	Return
0	Number
;	Semicolon
}	RightBraces

Example 2

OUTPUT:

Token	Туре
int	DataType(INT)
main	Identifier
(LeftParentheses
)	RightParentheses
{	LeftBraces
int	DataType(INT)
x	Identifier
:=	Assign
3	number
;	Semicolon
int	DataType(INT)
У	Identifier
:=	Assign
4	number
;	Semicolon
if	IF
X	Identifier
=	Equal
Υ	Identifier
then	Then
write	Write
X	Identifier
;	Semicolon
else	Else
write	Write
Υ	Identifier
;	Semicolon

Errors

```
    Unrecognized token
    Unrecognized token
    /* This is a comment end return 0;
    }
```