

```
; Title: ID Card Data Parser - Main Program
; Name: Akarsh Kumar
; EID: ak39969
; Date: 12/9/18
; Recitation Section: F 11AM
; Description of program:
```

```
.ORIG x3000
```

```
LEA R0, STARTS
PUTS
```

```
; set up ISR
```

```
LD R6, SP
LD R1, KBISR
LD R2, KBISRU
STR R1, R2, #0
```

```
LOOP
```

```
LD R1, INTEN
LD R2, KBSR
STR R1, R2, #0
```

```
LDI R0, CHAR
BRz LOOP
```

```
;got a character
```

```
OUT
```

```
LEA R1, CODE
ADD R2, R1, #1
LDR R2, R2, #0
STR R2, R1, #0
```

```
ADD R1, R1, #1
ADD R2, R1, #1
LDR R2, R2, #0
STR R2, R1, #0
```

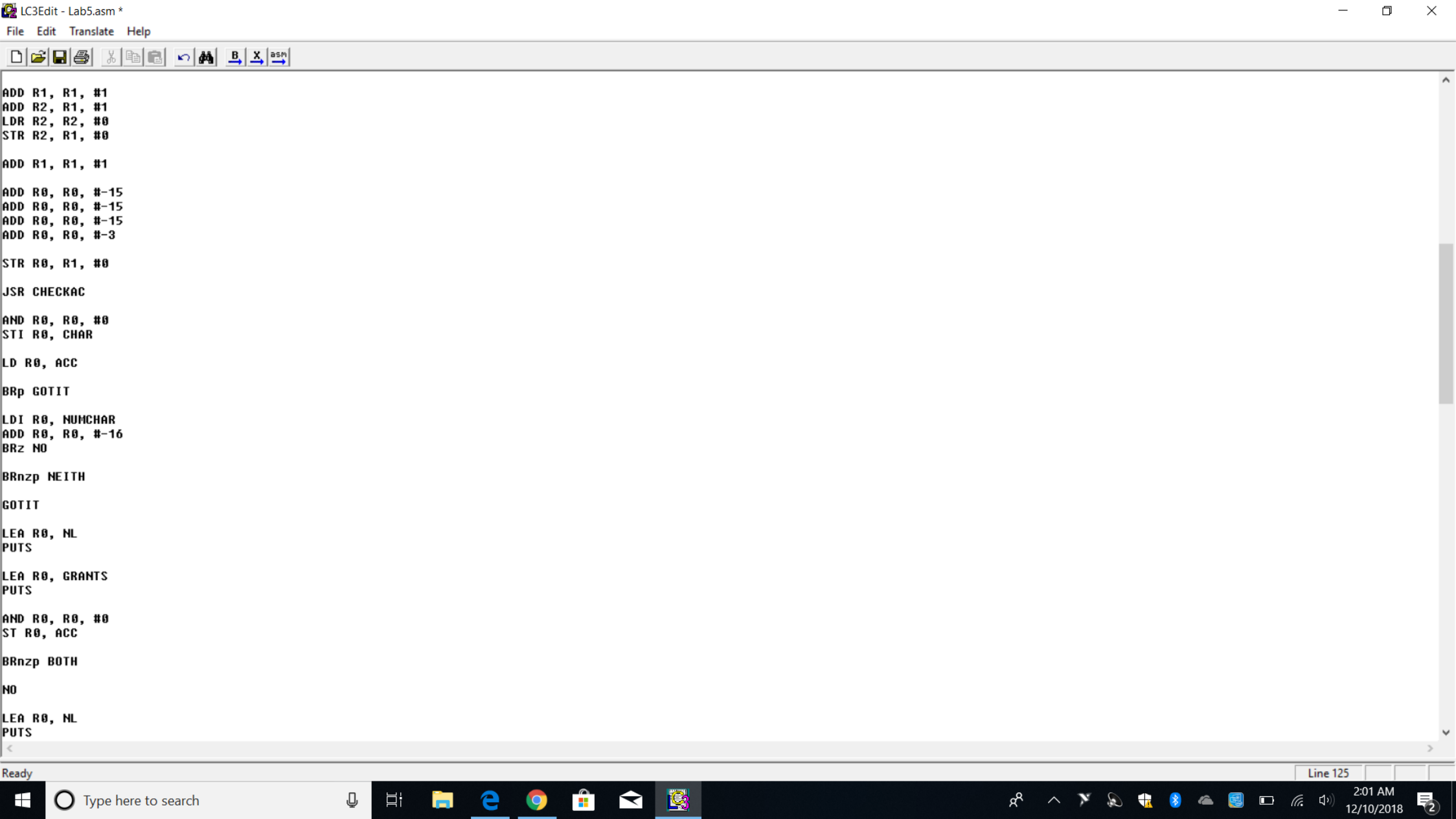
```
ADD R1, R1, #1
ADD R2, R1, #1
LDR R2, R2, #0
STR R2, R1, #0
```

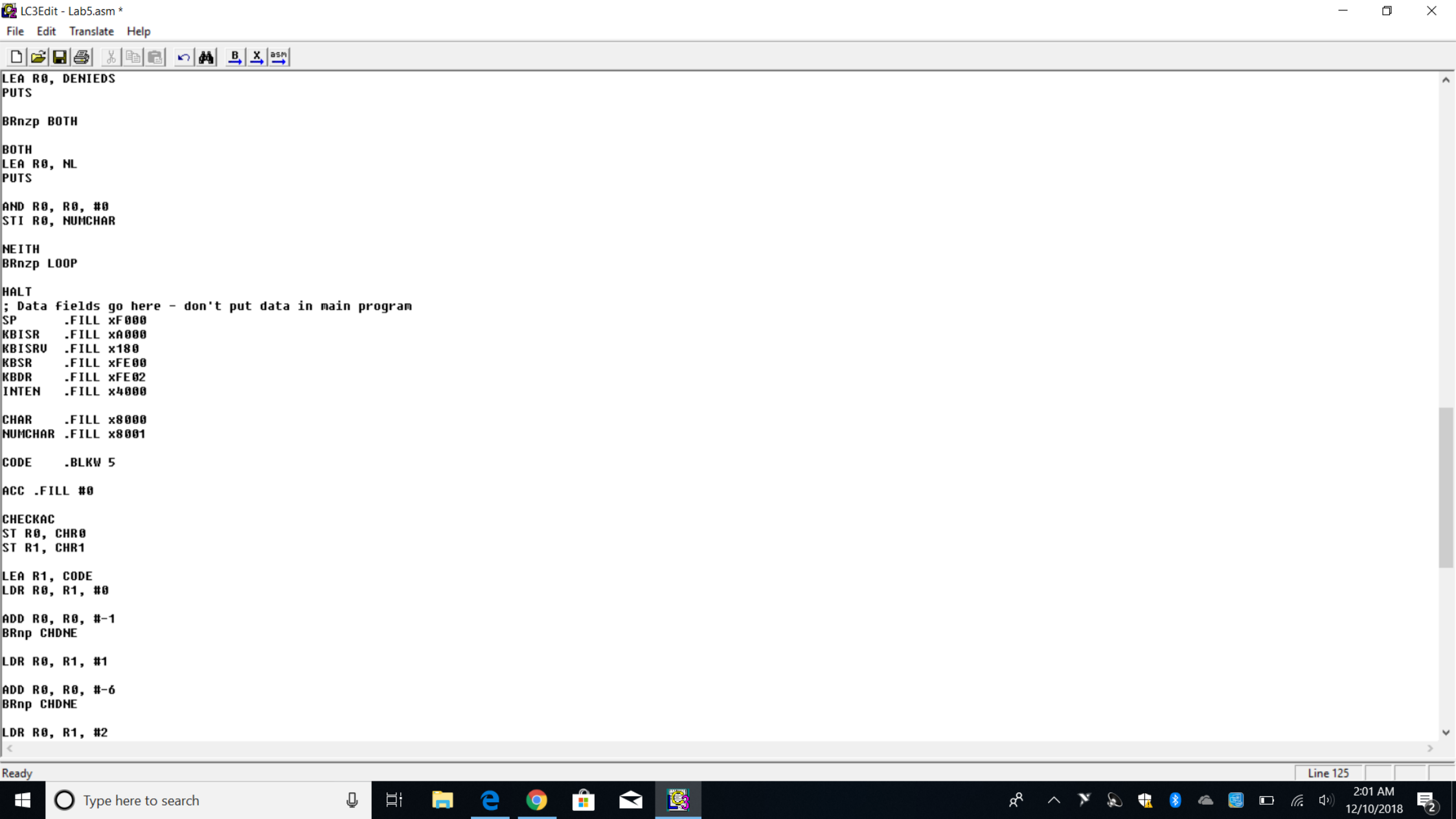
Ready

Line 125

Type here to search

2:01 AM
12/10/2018





```
LEA R0, DENIEDS
PUTS

BRnzp BOTH

BOTH
LEA R0, NL
PUTS

AND R0, R0, #0
STI R0, NUMCHAR

NEITH
BRnzp LOOP

HALT
; Data fields go here - don't put data in main program
SP      .FILL xF000
KBISR   .FILL xA000
KBISRU  .FILL x180
KBDR    .FILL xFE00
KBDR    .FILL xFE02
INTEN   .FILL x4000

CHAR    .FILL x8000
NUMCHAR .FILL x8001

CODE    .BLKW 5

ACC .FILL #0

CHECKAC
ST R0, CHR0
ST R1, CHR1

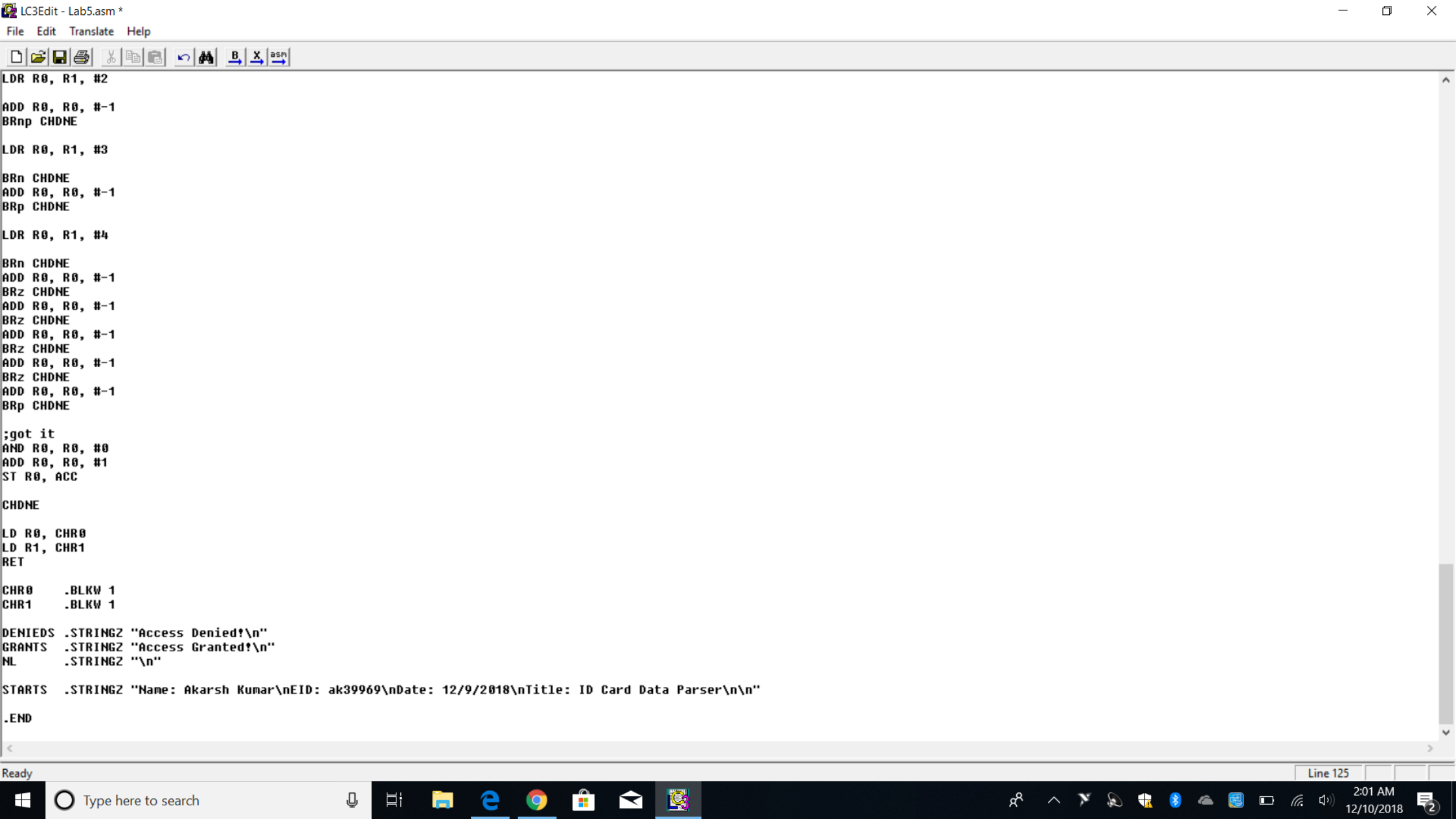
LEA R1, CODE
LDR R0, R1, #0

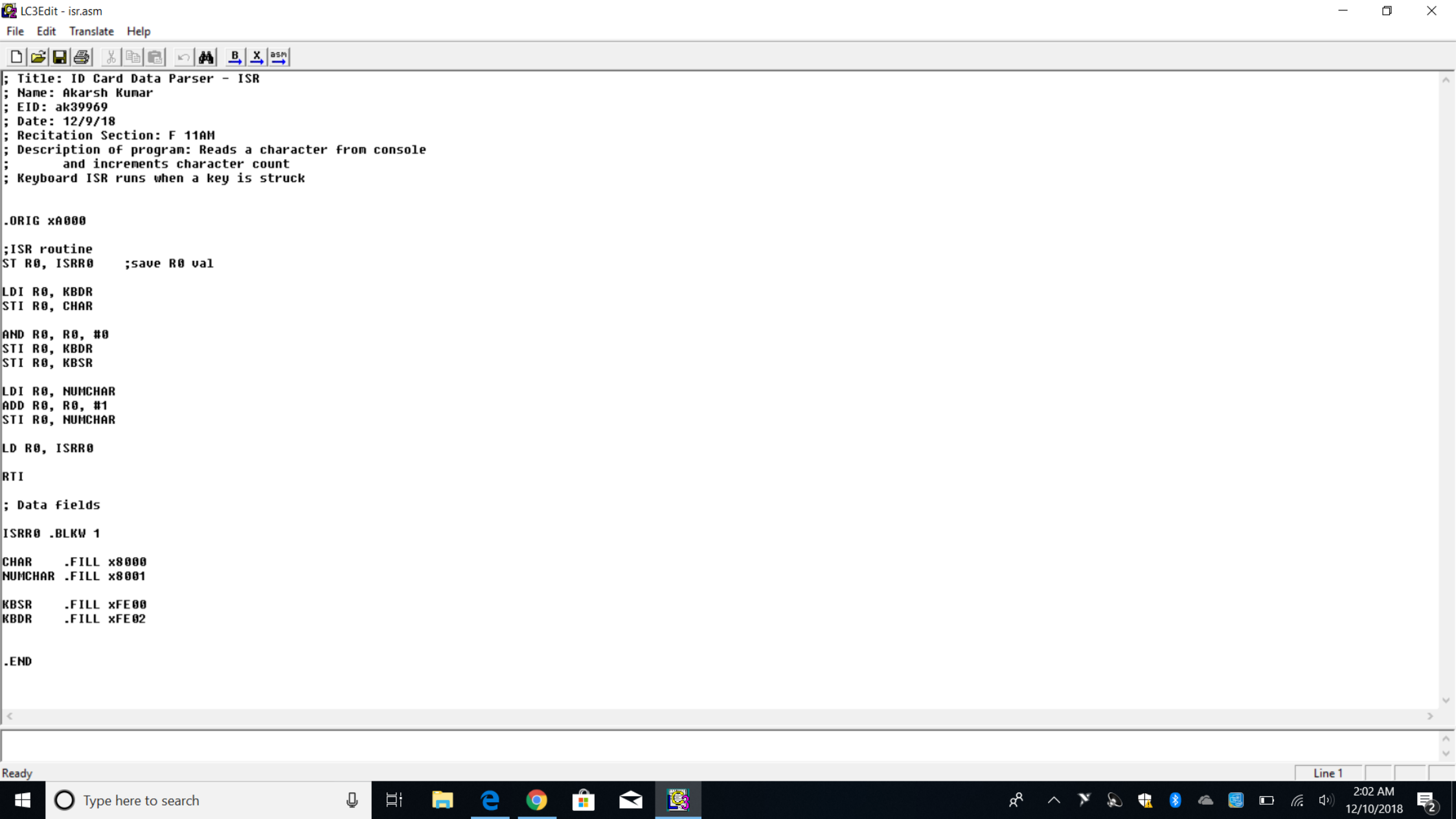
ADD R0, R0, #-1
BRnp CHDNE

LDR R0, R1, #1

ADD R0, R0, #-6
BRnp CHDNE

LDR R0, R1, #2
```





```
LC3Edit - isr.asm
File Edit Translate Help
[Icons]
; Title: ID Card Data Parser - ISR
; Name: Akarsh Kumar
; EID: ak39969
; Date: 12/9/18
; Recitation Section: F 11AM
; Description of program: Reads a character from console
; and increments character count
; Keyboard ISR runs when a key is struck

.ORIG xA000

;ISR routine
ST R0, ISRR0 ;save R0 val

LDI R0, KBDR
STI R0, CHAR

AND R0, R0, #0
STI R0, KBDR
STI R0, KBSR

LDI R0, NUMCHAR
ADD R0, R0, #1
STI R0, NUMCHAR

LD R0, ISRR0

RTI

; Data fields
ISRR0 .BLKW 1

CHAR .FILL x8000
NUMCHAR .FILL x8001

KBSR .FILL xFE00
KBDR .FILL xFE02

.END

Ready
Line 1
2:02 AM
12/10/2018
```

Start a new search:

Fall 2018 courses found

Searching by unique number from 16100 to 16115 found the following courses.

Refine your search:

- ☐ Open sections
- ☐ Primarily web-based ?
- ☐ Writing
- ☐ Quantitative reasoning
- ☐ Global cultures
- ☐ Cultural diversity
- ☐ Ethics and leadership
- ☐ Independent inquiry

[reset search](#)

[IDA 2.0](#)

[Register](#)

[Past CVs and Syllabi](#)

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Click a unique number to see course details.

Unique	Day	Hour	Room	Instructor	Status ?	Flags ?	Core ?
E E 306 INTRODUCTION TO COMPUTING							
16100	MW F	12:00 p.m.-1:30 p.m. 9:00 a.m.-10:00 a.m.	BUR 112 ECJ 1.304	CUEVAS, A	open; restricted		
16105	MW F	12:00 p.m.-1:30 p.m. 10:00 a.m.-11:00 a.m.	BUR 112 GEA 127	CUEVAS, A	closed		
16110	MW F	12:00 p.m.-1:30 p.m. 11:00 a.m.-12:00 p.m.	BUR 112 ECJ 1.304	CUEVAS, A	closed		
16115	MW F	12:00 p.m.-1:30 p.m. 12:00 p.m.-1:00 p.m.	BUR 112 ECJ 1.304	CUEVAS, A	closed		

[return to top](#) [new search](#)

Name: Akarsh Kumar
EID: ak39969
Date: 12/9/2018
Title: ID Card Data Parser

helloworldimcode
Access Denied!

16100
Access Granted!

ireadstring16105
Access Granted!

1615016110
Access Granted!

1111116115
Access Granted!

finishedtesting
Access Denied!