

Sample runs

1) Undefined label

The image shows two Notepad windows side-by-side. The left window, titled 'PROGC.txt - Notepad', contains assembly code. The right window, titled 'DEV05.txt - Notepad', displays a symbol table.

PROGC.txt - Notepad

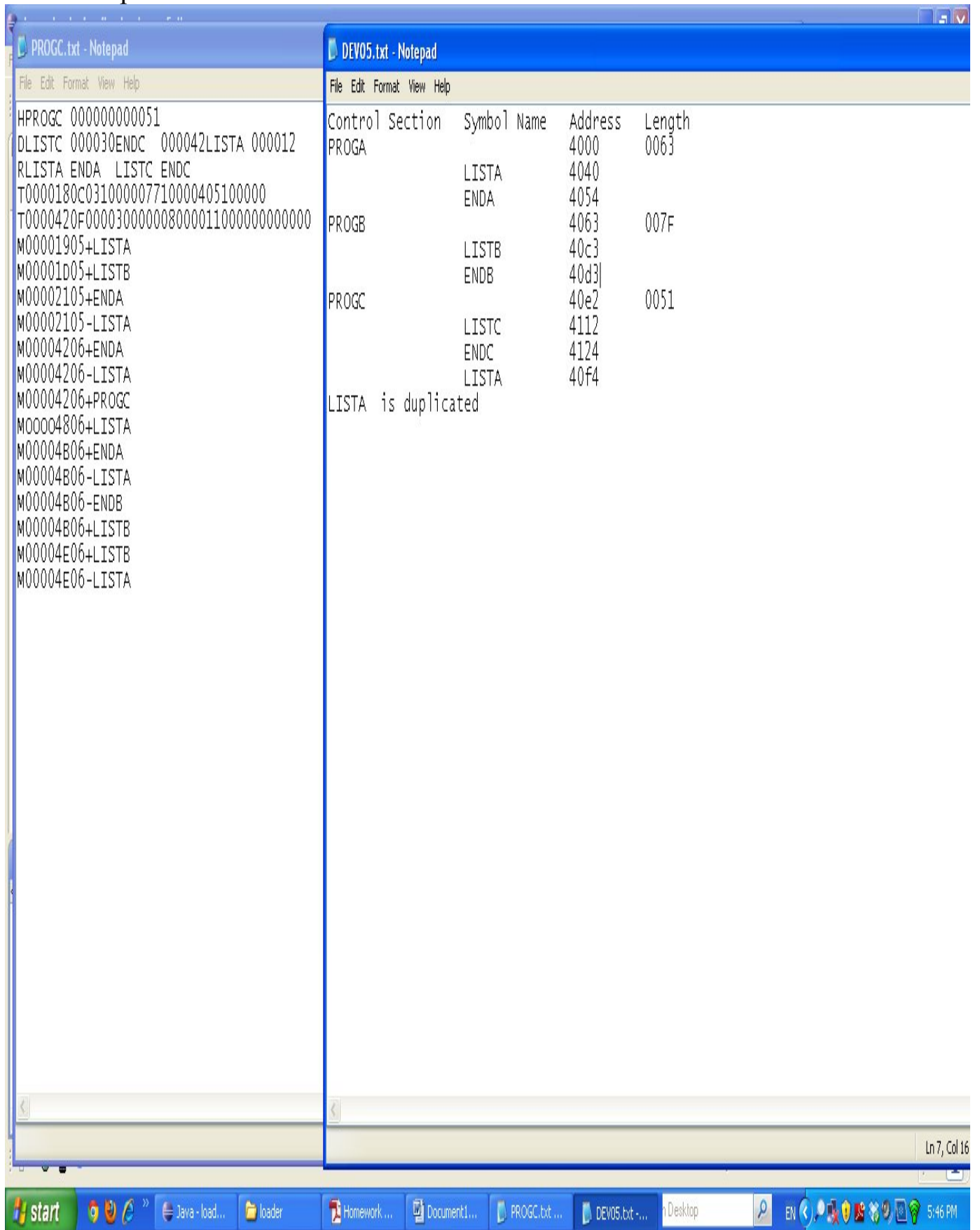
```
HPROGC 000000000051
DLISTC 000030ENDC 000042
RLISTA ENDA LISTC merna
T0000180c031000007710000405100000
T0000420F00003000000080000110000000000000
M00001905+LISTA
M00001d05+LISTB
M00002105+ENDC
M00002105-LISTA
M00004206+ENDC
M00004206-LISTA
M00004206+PROGC
M00004806+LISTA
M00004B06+ENDC
M00004B06-LISTA
M00004B06-ENDB
M00004B06+LISTB
M00004E06+LISTB
M00004E06-LISTA
```

DEV05.txt - Notepad

Control Section	Symbol Name	Address	Length
PROGA		4000	0063
	LISTA	4040	
	ENDC	4054	
PROGB		4063	007F
	LISTB	40c3	
	ENDB	40d3	
PROGC		40e2	0051
	LISTC	4112	
	ENDC	4124	
	merna	is not defined	

Ln 6, Col 16

2) Label duplicated



The image shows two Notepad windows side-by-side. The left window, titled 'PROGC.txt - Notepad', contains assembly code. The right window, titled 'DEV05.txt - Notepad', displays a table of symbols and their addresses, with a message 'LISTA is duplicated' at the bottom.

PROGC.txt - Notepad

```
HPRGCG 000000000051
DLISTC 000030ENDC 000042LISTA 000012
RLISTA ENDA LISTC ENDC
T0000180c031000007710000405100000
T0000420F00003000000080000110000000000000
M00001905+LISTA
M00001d05+LISTB
M00002105+ENDC
M00002105-LISTA
M00004206+ENDC
M00004206-LISTA
M00004206+PRGCG
M00004806+LISTA
M00004B06+ENDC
M00004B06-LISTA
M00004B06-ENDB
M00004B06+LISTB
M00004E06+LISTB
M00004E06-LISTA
```

DEV05.txt - Notepad

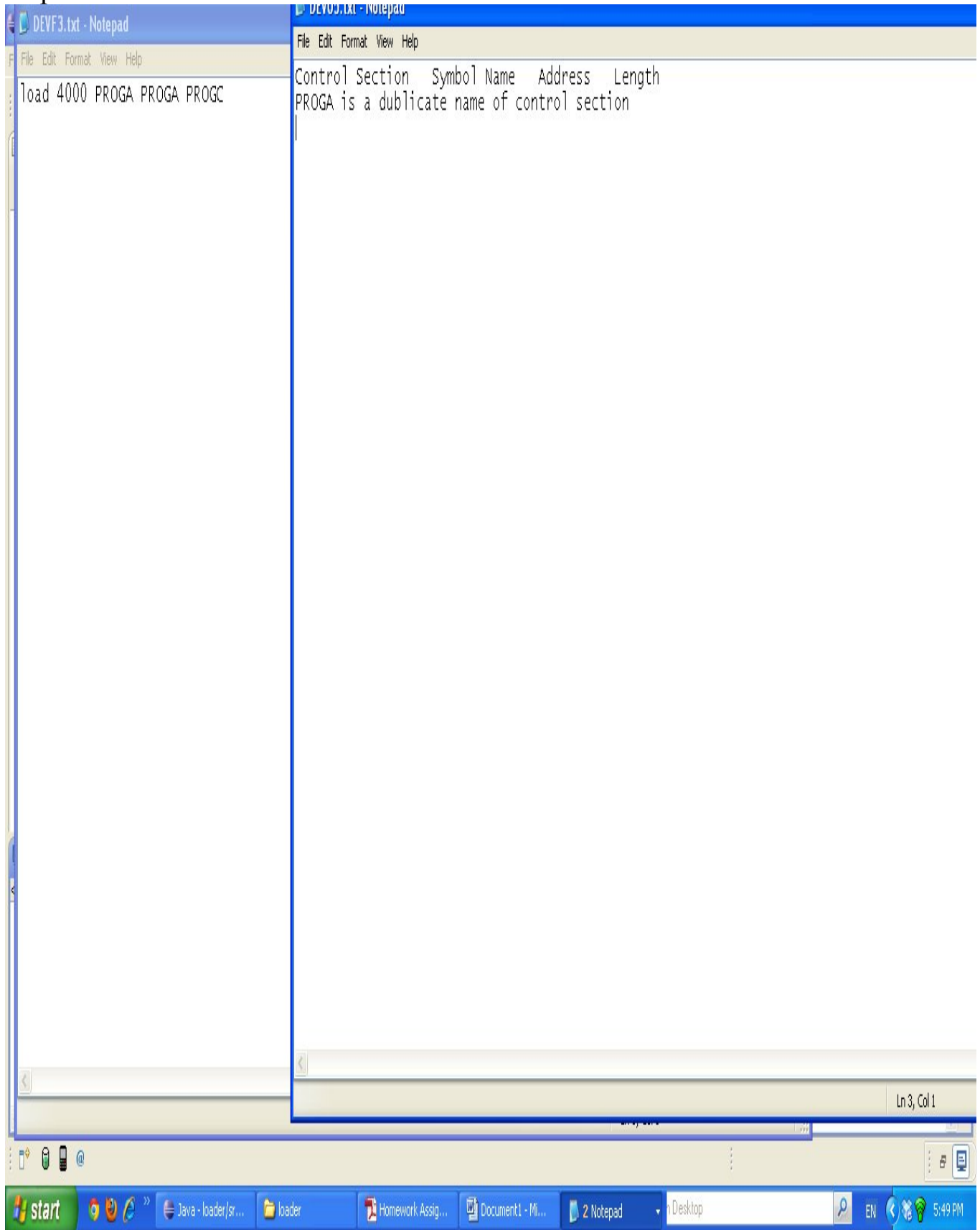
Control	Section	Symbol Name	Address	Length
PROGA			4000	0063
		LISTA	4040	
		ENDC	4054	
PROGB			4063	007F
		LISTB	40c3	
		ENDB	40d3	
PRGCG			40e2	0051
		LISTC	4112	
		ENDC	4124	
		LISTA	40f4	

LISTA is duplicated

Ln 7, Col 16

3)

Duplicated name of control section



4)

Error in header

```
PROGB.txt - Notepad
File Edit Format View Help
ePROGB 00000000007F
DLISTB 000060ENDB 000070
RLISTA ENDA LISTC LISTC
T0000360B0310000077202705100000
T0000700F000000FFFFFF6FFFFFFFFFFFF000060
M000037+LISTA
M00003E05+END A
M00003E05-LISTA
M00007006+END A
M00007006-LISTA
M00007006+LISTC
M00007306+END C
M00007306-LISTC
M00007606+END C
M00007606-LISTC
M00007606+LISTA
M00007906+END A
M00007906-LISTA
M00007906+END A
M00007906-LISTA
M00007906+PROGB
M00007906-LISTA

DEV05.txt - Notepad
File Edit Format View Help
Control Section Symbol Name Address Length
PROGA 4000 0063
LISTA 4040
END A 4054
enter H or h at the first row ... incorrect header in PROGB
LISTB is not defined
ENDB is not defined
LISTC is not defined
ENDC is not defined
```

Ln 10, C

start Java - load... loader Homework ... Document1... PROGB.txt ... DEV05.txt ... Desktop EN 5:50 PM

5)

Error in definition

PROGB.txt - Notepad

```
HPROGB 00000000007F
yLISTB 000060ENDB 000070
RLISTA ENDA LISTC LISTC
T0000360B0310000077202705100000
T0000700F000000FFFFF6FFFFFFFFFFFF000060
M000037+LISTA
M00003E05+END
M00003E05-LISTA
M00007006+END
M00007006-LISTA
M00007006+LISTC
M00007306+ENDC
M00007306-LISTC
M00007606+ENDC
M00007606-LISTC
M00007606+LISTA
M00007906+END
M00007906-LISTA
M00007906+END
M00007906-LISTA
M00007906+PROGB
M00007906-LISTA
```

DEV05.txt - Notepad

Control Section	Symbol Name	Address	Length
PROGA		4000	0063
	LISTA	4040	
	ENDA	4054	
PROGB		4063	007F

enter D or d at the second row ... incorrect defintion in PROGB

LISTB is not defined
ENDB is not defined
LISTC is not defined
ENDC is not defined

Ln 1, Col 1

Page 5 Sec 1 5/5 At 0.8" Ln 3 Col 1 REC TRK EXT OVR English (U.S)

start Java - load... loader Homework ... Document1... PROGB.txt ... DEV05.txt ... Desktop EN 5:52 PM

6)

Error in reference

PROGB.txt - Notepad
File Edit Format View Help
HPROGB 00000000007F
DLISTB 000060ENDB 000070
eLISTA ENDA LISTC LISTC
T0000360B0310000077202705100000
T0000700F000000FFFFF6FFFFFFFFFFFF000060
M000037+LISTA
M00003E05+END
M00003E05-LISTA
M00007006+END
M00007006-LISTA
M00007006+LISTC
M00007306+ENDC
M00007306-LISTC
M00007606+ENDC
M00007606-LISTC
M00007606+LISTA
M00007906+END
M00007906-LISTA
M00007906+END
M00007906-LISTA
M00007906+PROGB
M00007906-LISTA

DEV05.txt - Notepad
File Edit Format View Help
Control Section Symbol Name Address Length
PROGA 4000 0063
LISTA 4040
END
4054
PROGB 4063 007F
LISTB 40c3
ENDB 40d3
enter R or r at the first row ... incorrect refrence in PROGB
LISTC is not defined
ENDC is not defined
LISTC is not defined
LISTC is not defined
LISTC is not defined
|

Ln 13, Col 1

start
Java - load...
loader
Homework ...
Document1...
PROGB.txt ...
DEV05.txt ...
Desktop
5:54 PM