

Screenshot of all errors in instructions. As only first potential error is pointed out , then assembler halts. I corrected each iteratively to display all errors.

```
mytests > test02 > ASM test02.asm
1 ; this file mainly focused on error checking capability of assembler
2
3 ldc 5
4 ldnl 45
5 a:
6 call a ; random correct instructions
7
8 ldc 8hg ; not a number
9 ldc ; missing operand
10 sub 3 ; unexpected operand
11 ldc 5,,5; invalid operand
12 84kd: ; bogus labelname
13 donut; bogus mnemonic
14 hola ; bogus mnemonic
15
```

```
mytests > test02 > ≡ test02.log
1 Assembling Stopped with errors
2 error at line 12 - 84kd - Bogus label name
3
```

```
mytests > test02 > ≡ test02.log
1 Assembling Stopped with errors
2 error at line 8 - ldc 8hg - NOT a valid number( also only one operand is expected)
3
```

```
mytests > test02 > ≡ test02.log
1 Assembling Stopped with errors
2 error at line 9 - ldc - missing operand
3
```

```
mytests > test02 > ≡ test02.log
1 Assembling Stopped with errors
2 error at line 11 - ldc 5,,5 - NOT a valid number( also only one operand is expected)
3
```

```
mytests > test02 > ≡ test02.log
1 Assembling Stopped with errors
2 error at line 13 - donut - Invalid Mnemonic
3
```

```
mytests > test02 > ≡ test02.log
1 Assembling Stopped with errors
2 error at line 10 - sub 3 - Unexpected oprerand , check instruction format for sub
3
```