Assignment
ErrorGen Evaluation Guidelines for TAs
CSE 112 Computer Organization

If the student's code is able to generate any of these errors, award full marks. If the line number is not printed, it is given only 2.5. **Note that line numbers start from 1 and increment on empty lines as well.**

The students are not required to use the exact wording. However, the meaning should be the same. The line number may also differ depending on the language used by the student. In such cases, check the output manually.

Although unlikely, this document may not be exhaustive. If the student has printed some error which is not present in this document, please check the test case manually.

test01:

Line Number	Error
3	Wrong Syntax used for instruction

test02:

Line Number	Error
7	Use of undefined **variables**
8	Use of undefined **variables**
18	Use of undefined **labels**
19	Use of undefined **labels**
20	Use of undefined **labels**
21	Use of undefined **labels**

test03:

Line Number	Error
1 or 2	hlt not being used as the last instruction

test04:

Line Number	Error
1	hlt not being used as the last instruction
2	Variables not declared at the beginning

test05:

Line Number	Error
3	Use of undefined **variables**

test06:

Line Number	Error
2	Typos in instruction name or register name

test07:

Line Number	Error
6	Use of undefined **variables**

test08:

Line Number	Error
Any/No line number	Missing `hlt` instruction

test09:

Line Number	Error
1	Illegal use of FLAGS register

test10:

Line Number	Error
1	Typos in instruction name or register name

test11:

Line Number	Error
2	Illegal Immediate values

test12:

Line Number	Error
8	Use of undefined **labels**

test13:

Line Number	Error
2	Illegal Immediate values

test14:

Line Number	Error
1	Illegal use of FLAGS register

test15:

Line Number	Error
8	Use of undefined **variables**
9	Use of undefined **variables**

test16:

Line Number	Error
1	Illegal Immediate values

test17:

Line Number	Error
2	Typos in instruction name or register name

test18:

Line Number	Error
Any/No line number	Missing `hlt` instruction

test19:

Line Number	Error
7	Misuse of labels as variables or vice-versa

test20:

Line Number	Error
7	Use of undefined **variables**

test21:

Line Number	Error
8	Use of undefined **labels**

test22:

Line Number	Error
8	Misuse of labels as variables or vice-versa

test23:

Line Number	Error
1 or 2	`hlt` not being used as the last instruction
2	Variables not declared at the beginning
3	Variables not declared at the beginning
4	Variables not declared at the beginning
5	Wrong syntax used for instructions
6	Use of undefined **variables**

test24:

Line Number	Error
13 or 14	`hlt` not being used as the last instruction

test25:

Line Number	Error
14	Typos in instruction name or register name

test26:

Line Number	Error
4	Wrong syntax used for instructions

test27:

Line Number	Error
3	Illegal Immediate values
4	Illegal Immediate values
No/Any line number	Missing `hlt` instruction

test28:

Line Number	Error
1	Variables not declared at the beginning
2	Variables not declared at the beginning
1 or 2	`hlt` not being used as the last instruction

test29:

Line Number	Error
3	Typos in instruction name or register name

test30:

Line Number	Error
1	Typos in instruction name or register name