./a.out <input1.txt

Token number : 10, value : "begin" , line 3

Token number : 25, value : "declare" , line 4

Token number : 1, value : "A" , line 4

Token number : 6, value : "," , line 4

Token number : 1, value : "I" , line 4

Token number : 26, value : "as" , line 4

Token number : 27, value : "integer" , line 4

Token number : 7, value : ";" , line 4

Token number : 25, value : "declare" , line 5

Token number : 1, value : "B" , line 5

Token number : 6, value : "," , line 5

Token number : 1, value : "C" , line 5

Token number : 6, value : "," , line 5

Token number : 1, value : "D" , line 5

Token number : 6, value : "," , line 5

Token number : 1, value : "size" , line 5

Token number : 26, value : "as" , line 5

Token number : 28, value : "real" , line 5

Token number : 7, value : ";" , line 5

Token number : 25, value : "declare" , line 6

Token number : 1, value : "PI" , line 6

Token number : 7, value : ";" , line 6

Token number : 25, value : "declare" , line 7

Token number : 1, value : "LLL" , line 7

Token number : 8, value : "(" , line 7

Token number : 2, value : "100" , line 7

Token number : 9, value : ")" , line 7

Token number : 26, value : "AS" , line 7

Token number : 28, value : "REAL" , line 7

Token number : 7, value : ";" , line 7

Token number : 1, value : "PI" , line 9

Token number : 31, value : ":=" , line 9

Token number : 3, value : "3.1416" , line 9

Token number : 7, value : ";" , line 9

Token number : 1, value : "B" , line 10

Token number : 31, value : ":=" , line 10

Token number : 1, value : "PI" , line 10

Token number : 34, value : "\*" , line 10

Token number : 1, value : "B" , line 10

Token number : 34, value : "\*" , line 10

Token number : 1, value : "B" , line 10

Token number : 32, value : "+" , line 10

Token number : 1, value : "C" , line 10

Token number : 35, value : "/" , line 10

Token number : 1, value : "D" , line 10

Token number : 32, value : "+" , line 10

Token number : 4, value : "0.345E-6" , line 10

Token number : 7, value : ";" , line 10

Token number : 18, value : "FOR" , line 12

Token number : 8, value : "(" , line 12

Token number : 1, value : "I" , line 12

Token number : 31, value : ":=" , line 12

Token number : 2, value : "1" , line 12

Token number : 19, value : "TO" , line 12

Token number : 2, value : "100" , line 12

Token number : 9, value : ")" , line 12

Token number : 1, value : "C" , line 13

Token number : 31, value : ":=" , line 13

Token number : 1, value : "LLL" , line 13

Token number : 8, value : "(" , line 13

Token number : 1, value : "I" , line 13

Token number : 9, value : ")" , line 13

Token number : 32, value : "+" , line 13

Token number : 1, value : "B" , line 13

Token number : 34, value : "\*" , line 13

Token number : 1, value : "D" , line 13

Token number : 33, value : "-" , line 13

Token number : 1, value : "C" , line 13

Token number : 7, value : ";" , line 13

Token number : 20, value : "ENDFOR" , line 14

Token number : 14, value : "IF" , line 16

Token number : 8, value : "(" , line 16

Token number : 1, value : "C" , line 16

Token number : 39, value : ">=" , line 16

Token number : 2, value : "10000" , line 16

Token number : 9, value : ")" , line 16

Token number : 15, value : "THEN" , line 16

Token number : 13, value : "write" , line 17

Token number : 8, value : "(" , line 17

Token number : 5, value : "Good!" , line 17

Token number : 9, value : ")" , line 17

Token number : 7, value : ";" , line 17

Token number : 17, value : "ENDIF" , line 18

Token number : 11, value : "end" , line 20

Token number : 30, value : "SCANEOF" , line 21

End of the execution

./a.out <input1\_commen.txt

Token number : 10, value : "begin" , line 11

Token number : 25, value : "declare" , line 12

Token number : 1, value : "A" , line 12

Token number : 6, value : "," , line 12

Token number : 1, value : "I" , line 12

Token number : 26, value : "as" , line 12

Token number : 27, value : "integer" , line 12

Token number : 7, value : ";" , line 12

Token number : 25, value : "declare" , line 13

Token number : 1, value : "B" , line 13

Token number : 6, value : "," , line 13

Token number : 1, value : "C" , line 13

Token number : 6, value : "," , line 13

Token number : 1, value : "D" , line 13

Token number : 6, value : "," , line 13

Token number : 1, value : "size" , line 13

Token number : 26, value : "as" , line 13

Token number : 28, value : "real" , line 13

Token number : 7, value : ";" , line 13

Token number : 25, value : "declare" , line 14

Token number : 1, value : "PI" , line 14

Token number : 7, value : ";" , line 14

Token number : 25, value : "declare" , line 15

Token number : 1, value : "LLL" , line 15

Token number : 8, value : "(" , line 15

Token number : 2, value : "100" , line 15

Token number : 9, value : ")" , line 15

Token number : 26, value : "AS" , line 15

Token number : 28, value : "REAL" , line 15

Token number : 7, value : ";" , line 15

Token number : 1, value : "PI" , line 17

Token number : 31, value : ":=" , line 17

Token number : 3, value : "3.1416" , line 17

Token number : 7, value : ";" , line 17

Token number : 1, value : "B" , line 18

Token number : 31, value : ":=" , line 18

Token number : 1, value : "PI" , line 18

Token number : 34, value : "\*" , line 18

Token number : 1, value : "B" , line 18

Token number : 34, value : "\*" , line 18

Token number : 1, value : "B" , line 18

Token number : 32, value : "+" , line 18

Token number : 1, value : "C" , line 18

Token number : 35, value : "/" , line 18

Token number : 1, value : "D" , line 18

Token number : 32, value : "+" , line 18

Token number : 4, value : "0.345E-6" , line 18

Token number : 7, value : ";" , line 18

Token number : 18, value : "FOR" , line 20

Token number : 8, value : "(" , line 20

Token number : 1, value : "I" , line 20

Token number : 31, value : ":=" , line 20

Token number : 2, value : "1" , line 20

Token number : 19, value : "TO" , line 20

Token number : 2, value : "100" , line 20

Token number : 9, value : ")" , line 20

Token number : 1, value : "C" , line 21

Token number : 31, value : ":=" , line 21

Token number : 1, value : "LLL" , line 21

Token number : 8, value : "(" , line 21

Token number : 1, value : "I" , line 21

Token number : 9, value : ")" , line 21

Token number : 32, value : "+" , line 21

Token number : 1, value : "B" , line 21

Token number : 34, value : "\*" , line 21

Token number : 1, value : "D" , line 21

Token number : 33, value : "-" , line 21

Token number : 1, value : "C" , line 21

Token number : 7, value : ";" , line 21

Token number : 20, value : "ENDFOR" , line 22

Token number : 14, value : "IF" , line 24

Token number : 8, value : "(" , line 24

Token number : 1, value : "C" , line 24

Token number : 39, value : ">=" , line 24

Token number : 2, value : "10000" , line 24

Token number : 9, value : ")" , line 24

Token number : 15, value : "THEN" , line 24

Token number : 13, value : "write" , line 25

Token number : 8, value : "(" , line 25

Token number : 5, value : "Good!" , line 25

Token number : 9, value : ")" , line 25

Token number : 7, value : ";" , line 25

Token number : 17, value : "ENDIF" , line 26

Token number : 11, value : "end" , line 28

Token number : 30, value : "SCANEOF" , line 29

End of the execution

./a.out <input1\_error.txt

Token number : 10, value : "begin" , line 3

Token number : 25, value : "declare" , line 5

<<< Line 5, "A,,I" is an illegal token error.

Token number : 26, value : "as" , line 5

Token number : 27, value : "integer" , line 5

Token number : 7, value : ";" , line 5

Token number : 25, value : "declare" , line 6

<<< Line 6, "B..C" is an illegal token error.

Token number : 6, value : "," , line 6

Token number : 1, value : "D" , line 6

Token number : 6, value : "," , line 6

Token number : 1, value : "size" , line 6

Token number : 26, value : "as" , line 6

Token number : 28, value : "real" , line 6

Token number : 7, value : ";" , line 6

Token number : 25, value : "declare" , line 8

Token number : 1, value : "E" , line 8

Token number : 6, value : "," , line 8

<<< Line 8, "012abc" is an illegal ID error.

Token number : 7, value : ";" , line 8

Token number : 25, value : "declare" , line 9

Token number : 1, value : "LLL" , line 9

Token number : 8, value : "(" , line 9

Token number : 2, value : "100" , line 9

Token number : 9, value : ")" , line 9

Token number : 26, value : "AS" , line 9

Token number : 28, value : "REAL" , line 9

Token number : 7, value : ";" , line 9

Token number : 1, value : "A" , line 11

Token number : 31, value : ":=" , line 11

<<< Line 11, "0001" is an illegal integer error.

Token number : 7, value : ";" , line 11

Token number : 1, value : "B" , line 13

Token number : 31, value : ":=" , line 13

<<< Line 13, "abc.123" is an illegal float point error.

Token number : 7, value : ";" , line 13

Token number : 1, value : "B" , line 14

Token number : 31, value : ":=" , line 14

<<< Line 14, "123.abc" is an illegal float point error.

Token number : 7, value : ";" , line 14

Token number : 1, value : "C" , line 15

Token number : 31, value : ":=" , line 15

<<< Line 15, ".123" is an illegal float point error.

Token number : 7, value : ";" , line 15

Token number : 1, value : "C" , line 16

Token number : 31, value : ":=" , line 16

<<< Line 16, "123." is an illegal float point error.

Token number : 7, value : ";" , line 16

Token number : 1, value : "D" , line 17

Token number : 31, value : ":=" , line 17

<<< Line 17, "0.123abc" is an illegal float point error.

Token number : 7, value : ";" , line 17

Token number : 1, value : "D" , line 18

Token number : 31, value : ":=" , line 18

<<< Line 18, "abc0.123" is an illegal float point error.

Token number : 7, value : ";" , line 18

Token number : 1, value : "E" , line 20

Token number : 31, value : ":=" , line 20

<<< Line 20, "3.1416e-5abc" is an illegal exponential float point error.

Token number : 7, value : ";" , line 20

Token number : 1, value : "E" , line 22

Token number : 31, value : ":=" , line 22

<<< Line 22, "abc123" is an illegal string error.

Token number : 1, value : "B" , line 24

Token number : 31, value : ":=" , line 24

Token number : 1, value : "PI" , line 24

<<< Line 24, "\*\*" is an illegal operator error.

Token number : 1, value : "B" , line 24

<<< Line 24, "\*/" is an illegal operator error.

Token number : 1, value : "B" , line 24

<<< Line 24, "+-" is an illegal operator error.

Token number : 1, value : "C" , line 24

<<< Line 24, "/+" is an illegal operator error.

Token number : 1, value : "D" , line 24

<<< Line 24, "\*+" is an illegal operator error.

Token number : 4, value : "0.345E-6" , line 24

Token number : 7, value : ";" , line 24

Token number : 18, value : "FOR" , line 26

Token number : 8, value : "(" , line 26

Token number : 1, value : "I" , line 26

<<< Line 26, ":=:=" is an illegal assignment error.

Token number : 2, value : "1" , line 26

Token number : 19, value : "TO" , line 26

Token number : 2, value : "100" , line 26

Token number : 9, value : ")" , line 26

Token number : 1, value : "C" , line 27

<<< Line 27, ":=," is an illegal assignment error.

Token number : 1, value : "LLL" , line 27

Token number : 8, value : "(" , line 27

Token number : 1, value : "I" , line 27

Token number : 9, value : ")" , line 27

Token number : 32, value : "+" , line 27

Token number : 1, value : "B" , line 27

Token number : 34, value : "\*" , line 27

Token number : 1, value : "D" , line 27

Token number : 33, value : "-" , line 27

Token number : 1, value : "C" , line 27

Token number : 7, value : ";" , line 27

Token number : 20, value : "ENDFOR" , line 28

Token number : 14, value : "IF" , line 30

Token number : 8, value : "(" , line 30

Token number : 1, value : "C" , line 30

<<< Line 30, ">===" is an illegal comparisons error.

Token number : 2, value : "10000" , line 30

Token number : 9, value : ")" , line 30

Token number : 15, value : "THEN" , line 30

Token number : 13, value : "write" , line 31

Token number : 8, value : "(" , line 31

Token number : 5, value : "Good!" , line 31

Token number : 9, value : ")" , line 31

Token number : 7, value : ";" , line 31

Token number : 17, value : "ENDIF" , line 32

Token number : 14, value : "IF" , line 33

Token number : 8, value : "(" , line 33

Token number : 1, value : "C" , line 33

<<< Line 33, "><" is an illegal comparisons error.

Token number : 2, value : "10000" , line 33

Token number : 9, value : ")" , line 33

Token number : 15, value : "THEN" , line 33

Token number : 13, value : "write" , line 34

Token number : 8, value : "(" , line 34

Token number : 5, value : "Good!" , line 34

Token number : 9, value : ")" , line 34

Token number : 7, value : ";" , line 34

Token number : 17, value : "ENDIF" , line 35

Token number : 14, value : "IF" , line 36

Token number : 8, value : "(" , line 36

Token number : 1, value : "C" , line 36

<<< Line 36, "=>" is an illegal comparisons error.

Token number : 2, value : "10000" , line 36

Token number : 9, value : ")" , line 36

Token number : 15, value : "THEN" , line 36

Token number : 13, value : "write" , line 37

Token number : 8, value : "(" , line 37

Token number : 5, value : "Good!" , line 37

Token number : 9, value : ")" , line 37

Token number : 7, value : ";" , line 37

Token number : 17, value : "ENDIF" , line 38

Token number : 11, value : "end" , line 40

Token number : 30, value : "SCANEOF" , line 41

End of the execution