ChessLang

A Language for Chess Programmers

By: Aria Kafie

Purpose & Philosophy

- ChessLang is designed to make chess-programming easy and elegant for programmers of all skillsets.
- ChessLang aims to reach this goal while still keeping programmer's engines fast and efficient.
- By making chess-programming more accessible to beginners, ChessLang will foster innovation and collaboration in the computer chess community.



Language Style

```
S S S T S S T S S L:Push +1001000=72='H' onto the stack
S S :Output 'H'; S S S T
                                                  L:Push +1100101=101='e' onto the stack
S S :Output 'e'; S S S T
                                    S S L:+1101100=108='1'
SSSSST ST T
                            S S L:+101100=44=','
S S S S S T S S S S L:+100000=32=Space
                                    S S L:+1101100=108='1'
                     S S T S S L=+1100100=100='d'
SSSSST SSSST
                            L:+100001=33='!'
S S :Output '!'; L
L:End the program
```

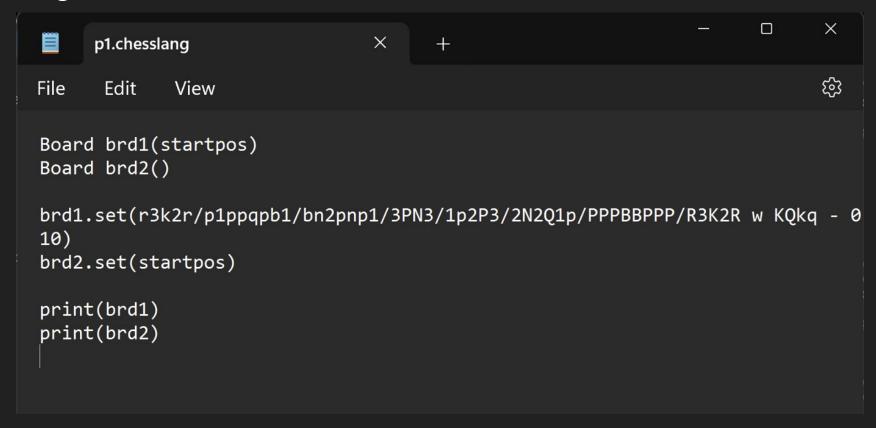
- ChessLang has elegant, easy-to-read syntax, unlike many of the most currently popular chess-programming languages.
- Its style is highly minimalistic, comparable to that of python or ruby.
- ChessLang is whitespace sensitive, and uses indentation to denote variable and function scopes.

Why I created it

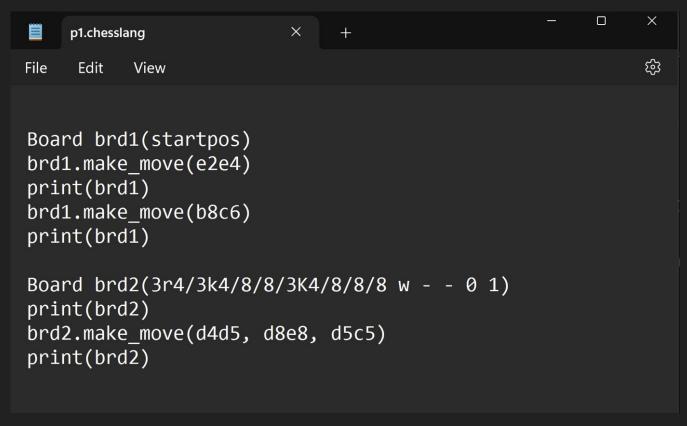
- Programming a chess engine is a great project for beginners and experienced programmers alike.
- ChessLang will serve as both a beginner and expert-friendly language for those who wish to advance their chess projects.
- Whether you're just trying to learn the basics, or want to quickly throw together a powerful engine that would give even the best human players a run for their money, ChessLang will help you achieve these goals.

```
'acd_ref' int(11) DEFAULT NULL
  acd_short_code varchar(3) DEFAULT NULL,
  acd_desc_varchor(30) DEFAULT NULL,
 acd_run_no int(11) DEFAULT NULL,
 acd_bg_color varchar(30) DEFAULY NULL,
 acd_text_color varchar(38) DEFAULT NULL,
 KEY 'acd_report' ('acd_emp_id', 'acd_date', 'acd_run_no'),
 KEY 'acd report 2' ('acd emp id', acd run no')
 KEY acd report 3 ( acd date , acd emp id , acd run no
ENGINE-InnoOB AUTO_INCREMENT-19315 DEFAULT CHARSET-latin1
  Dumping data for table abscodedetail
   TABLES abscodedetail WRITE:
(66,102, '2020-11-06',1,1,1,0,'H', 'Holiday Full Day Paid',930, '$00FFCC00', 'cl8lack'),
                                                                                                                  (128,13, '2020-11-27',1,1,1,0, 'H', 'Holiday Full Day Paid',053, '$00FFCC00', 'clBlack'),
 121,13,'2020-12-25',5,0,1,0,NULL,'Bank holiday',958,'cllime','')
  22,74,'2020-12-25',5,0,1,0,NULL,'Bank holiday',958,'cllime',
                                                                                          立
 123,102, '2020-12-25',5,0,1,0,NULL, 'Bank holiday',958, 'clline', '
 125,123, '2020-12-25',5,0,1,0,NULL, Bank holiday',958, 'clline'
 126,169, 2020-12-25',5,0,1,0,NULL, Bank holiday',958, cllime',
(127,13, '2020-12-28',5,0,1,0,NULL, 'Bank holiday',958, 'cllime',
(128,74, '2020-12-28',5,0,1,0,NULL, Bank holiday',958, 'clLime',
 129,182, '2020-12-28',5,0,1,0,NULL, 'Bank holiday',958, 'cllime',
 130,103, 2020-12-28',5,0,1,0,NULL, Bank holiday',958, clline',
(131,123,'2020-12-28',5,0,1,0,NULL,'Bank holiday',958,'clline',
 132,169, 2020-12-28',5,0,1,0,NULL, Bank holiday',958, clline','')
(143,13,'2021-01-01',5,0,1,8,NULL,'Bank holiday',962,'cltime','')
```

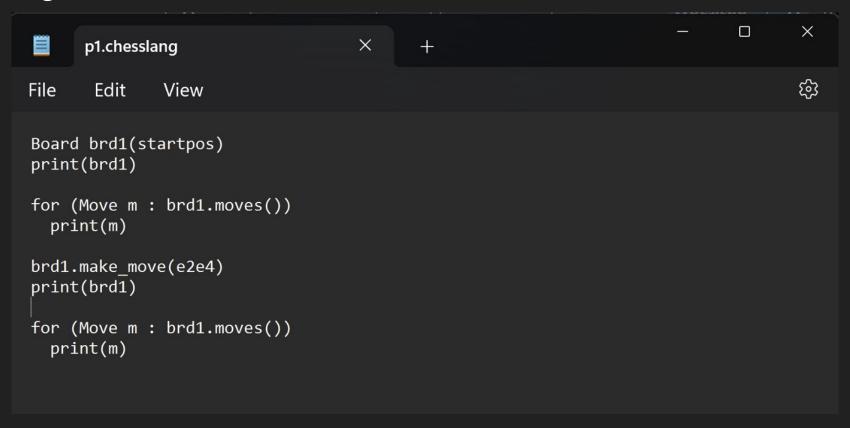
Programs:



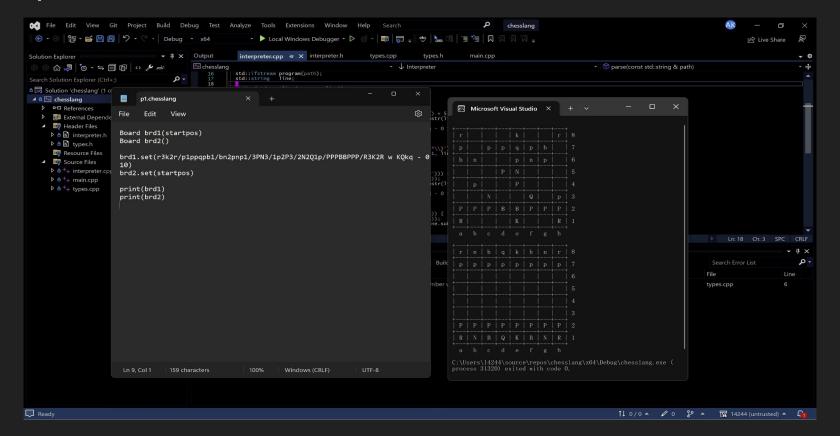
Programs:



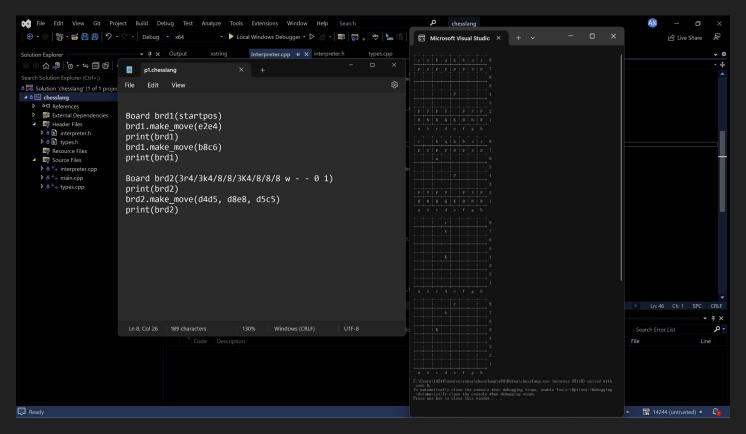
Programs:



Output:



Output:



Output

