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BASEBALL SIMULATOR

\* Indicates a required field

### Simulation

args: \*<year> \*<vTeamShortName>\*<year> \*<hTeamShortName> SIM \*<seriesLen> V <vLineupFileName> H <hLineupFileName>

ex:

1978 NYY 1996 NYY SIM 7

1978 NYY 2022 HOU SIM 7 V 1978NYY.txt H 2022HOU.txt

1978 AAS 1978 NAS SIM 1 V 1978\_AL\_Allstars.txt H 1978\_NL\_Allstars.txt

Play in simulation mode. Pick 2 valid year/team combinations (vis v home) and a series length of 1 to x. Positions and batting order will be created by the simulator based on the provided season’s statistics. Alternative custom lineups may be provided in a file with the following format:

PlayerLastName, PlayerFirstName<MLB Player Id> Pos

Ex:

Torres, Gleyber<650402> 2B

Soto, Juan<665742> RF

Judge, Aaron<592450> CF

Wells, Austin<669224> C

Stanton, Giancarlo<519317> DH

Chisholm Jr., Jazz<665862> 3B

Volpe, Anthony<683011> SS

Rizzo, Anthony<519203> 1B

Verdugo, Alex<657077> LF

Cole, Gerrit<543037> P

Rodon, Carlos<607074> P

Gil, Luis<661563> P

One to five pitchers may be provided, used in the rotation.

### Game

args: \*<year> \*<vTeamShortName>\*<year> \*<hTeamShortName> GAME \* V <vLineupFileName> H <hLineupFileName>

ex:

1978 NYY 2022 HOU GAME

1978 NYY 2022 HOU SIM 7 V 1978NYY.txt H 2022HOU.txt

Similar to simulation mode, except program pause before each batter to provide a prompt for an input action.

Next batter is displayed before prompt with # outs and base scenario and who’s on base.

Command prompt ex.:

Willie Randolph UP OUTS: 0 BASES EMPTY (1B:<> 2B:<> 3B:<>)

PITCH:

COMMANDS:

? – Lists all the below actions

SIM – play the rest of the game in simulation mode

AUTO <inn#> - play the rest of the game in auto mode, game mode starts before inn#

STEAL <base#> - attempt to steal the base provided

PICKOFF <base#> - attempt a pickoff at base provided (max 2 per plate appearance)

PITCHERS <HOME|VIS> - list available visitor or home pitchers (use to get MLB Player Id)

ex:

Eligible Pitchers:

Name ID ERA GS H S BS HRA

Ron Guidry 115228 1.74 35 0 0 0 13

Ed Figueroa 114116 2.99 35 0 0 0 22

Jim Beattie 110748 3.73 22 0 0 0 8

Catfish Hunter 116334 3.58 20 0 0 0 16

Don Gullett 115239 3.63 8 0 0 0 3

Ken Clay 112380 4.28 6 0 0 0 3

Rich Gossage 114989 2.01 0 0 27 0 9

Sparky Lyle 118026 3.47 0 0 9 0 6

SUBP <HOME|VIS> <id#> - Change pitcher

BATTERS <HOME|VIS> - list available visitor or home pinch hitters (use to get MLB Player Id)

ex:

Eligible Pinch hitters:

Name ID AVG SR HR

Thomasson, Gary LF 123271 .233 2 8

Stanley, Fred SS 122667 .219 0 1

Blair, Paul CF 111058 .176 1 2

White, Roy LF 124186 .269 3 8

Johnson, Cliff C 116573 .184 0 6

SUBB <id#> - Pinch hitter

OUTFIELDERS – Get current outfielders (to get their arm rating 1-5)

Ex:

Current outfielders:

Yordan Alvarez(4)

Chas McCormick(1)

Kyle Tucker(4)

INTBB – Issue an intentional walk

SUBR <id#> <base#> -pinch runner, user BATTERS to get eligible players (shows speed rating 1-5)

SACBUNT – sacrifice bunt - must have a runner on base.

HITRUN – hit and run on for current batter - must have a runner on base.

INFIELDIN – infield moves in for the defense.

PITCHERCHECK – gets status of the current pitcher, showing batters faced and earned runs.

ex:

CURRENT PITCHER STATUS: Justin Verlander BF:0 ER: 0

LINEUP <HOME|VIS> - shows current lineup

Ex:

NYY(1978)

Randolph, Willie<120927> 2B

Munson, Thurman<119531> C

Jackson, Reggie<116439> RF

Nettles, Graig<119720> 3B

Chambliss, Chris<112180> 1B

Rivers, Mickey<121253> CF

Piniella, Lou<120586> LF

Dent, Bucky<113275> SS

Spencer, Jim<122584> DH

DOUBLESTEAL – steal first and second – must have runners on first and second.

SUICIDESQUEEZE – suicide squeeze bunt – must have runner on third.

SAFETYSQUEEZE – safety squeeze bunt – must have runner on third.

DOUBLESWITCH <pitcherId#> <batterId#> <lineupPos#> - double switch – replace pitcher and batter at same time and swap their place in batting order.

IMPORT <HOME|VIS> <fileName> - import a lineup – game cannot have started.

Press Enter to execute command or blank to swing away.

Ex:

Willie Randolph UP OUTS: 0 BASES EMPTY (1B:<> 2B:<> 3B:<>)

PITCH:

SINGLE

Thurman Munson UP OUTS: 0 MAN ON FIRST (1B:Willie Randolph(5) 2B:<> 3B:<>)

PITCH:

### Auto

args: \*<year> \*<vTeamShortName>\*<year> \*<hTeamShortName> AUTO \* <inningSimStart> V <vLineupFileName> H <hLineupFileName>

ex:

1978 NYY 1996 NYY AUTO 8

1978 NYY 2022 HOU AUTO 8 V 1978NYY.txt H 2022HOU.txt

Game is played in simulation mode up to start of the inning number provided and then switches to game mode. Allows you to start game in simulation mode and complete the game in game mode.

### Tournament

args: TOURNAMENT \*<file>

ex: TOURNAMENT All\_Time\_Tournament.txt

file example:

1984 DET

1954 CLE

2004 BOS

1928 NYY

1910 PHA

1968 DET

1955 BRO

1942 STL

1909 PIT

1995 ATL

1906 CHC

1963 LA

Plays a single elimination tournament with the 12 teams provided in the input document. Tournament format mirrors the current MLB 12 team playoff format described below in season.

### Season

args: SEASON <year>

ex. SEASON \*2024

Plays a full season of games for the provided year with the following schedule format:

164 games per team

Division opponents 8 games (8 X 4 X 2 = 64 games)

Other league opponents 3 games (3 X 10 X 2 = 60 games)

Interleague opponents (2 X 10 X 2 = 40 games)

Interleague format: East->East, West Central->Central, East West->West, Central

Afterwards play post-season based on format:

AL + NL Wild Cards

Best of 3 games

ALWC1: AL#6 v AL #3

ALWC2: AL#5 v AL#4

NLWC1: NL#6 v NL #3

NLWC2: NL#5 v NL#4

AL + NL DS

ALDS1: ALWC2W v AL#1

ALDS2: ALWC1W v AL#2

NLDS1: NLWC2W v NL#1

NLDS2: NLWC1W v NL#2

AL + NL CS

ALCS: ALDS1W v ALDS2W

NLCS: NLDS1W v NLDS2W

World Series

ALCSW v NLCSW

Output

1. All game results with starting pitchers
2. End of Season standings
3. Stats (HR, BA) leaders
4. Playoff teems with seeds
5. Playoff series results
6. World Series results and series stats

Season mode only available 2013 – Present.

### World Series

args: WORLDSERIES \*<fromYear> \*<toYear> <output filename>

ex: WORLDSERIES 1970 1978 70sWorldSeries.txt

Uses the MLB\_WORLDSERIES table to get teams to play a best of 7 series simulation. Output to optional output file.