Snakes And Ladders

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A mini python project on a text-based Snakes and Ladders game using Python

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Technologies

Project is created with:

☐ Python: 3.8.5

Setup

To run this project:

- 1. Clone this repo.
- 2. Install Python
- 3.
- o goto root directory where main.py file is present.
- o Run python -m flake8 command and check for any errors:
- o output of the program is executed in the terminal window, pressing enter will make the move for each player

Usage

Note: - please make sure you follow the commands properly

- Format to be followed
- To play the game press "enter" on the keyboard to make a move (throwing a dice) to start the game.
- After player A makes the move press "enter" again to make for player B.
- To make each move of the player the user has to press enter till the player wins the game.
- After each turn of a player the number "turn" is displayed.
- Followed by an alert, if the player (either A or B) encounters a "snake" i.e. the head of a snake, it is moved back to its tail position
- Similarly, if a player encounters a "ladder" it is moved to its tail position.
- After each successful move, the position of the player is displayed along with the number of turns used.
- After reaching an "outbound" limit i.e. reaching a number higher than 100, the player stays on the same position as it was before making the move.
- After a player reaches the final position of the board i.e. 100, a display alert is shown to show which player has won the game.
- After a player wins the game the program stops.

Output

Output for a regular turn:

```
------Turn : 3-----Player A has rolled a 3
Player A has been moved from 9 to 12
Player B has rolled a 2
Player B has been moved from 10 to 12
```

Output for a Ladder encounter:

```
Player A has rolled a 4
Player A has been moved from 91 to 95
Player B has rolled a 2
Player B has been moved from 68 to 70
--ENCOUNTER: LADDER -> CLIMB TO 79--
Player B has been moved from 70 to 79
```

Output for out of bounds:

```
-----Turn : 33------Player A has rolled a 2
Player A has not been moved from 100 to 102 <OUT OF BOUNDS>
Player B has rolled a 4
Player B has been moved from 69 to 73
```

Output for Winner:

Output for Snake encounter:

```
Player A has rolled a 5
Player A has been moved from 24 to 29
Player B has rolled a 6
Player B has been moved from 31 to 37
--ENCOUNTER: SNAKE BITE -> GO TO 13--
Player B has been moved from 37 to 13
```