

Tic-tac-toe

Please write a program that allows a human to play a game of tic-tac-toe against a computer opponent. The program should have a simple text-based console UI. Here is an example of game play when implemented in Python:

```
$ python tic_tac_toe.py
```

```
Welcome to Tic-Tac-Toe. Please make your move selection by entering
a number 1-9 corresponding to the movement key on the right.
```

```
Board:           Movement Key:
| |             1|2|3
| |             4|5|6
| |             7|8|9
```

```
Where to? 5
```

```
You have put an X in the center. I will put an O in the lower left.
```

```
Board:           Movement Key:
| |             1|2|3
|X|             4|5|6
O| |             7|8|9
```

```
Where to? 1
```

```
You have put an X in the upper left. I will put an O in the lower
middle.
```

```
Board:           Movement Key:
X| |             1|2|3
|X|             4|5|6
O|O|             7|8|9
```

```
Where to? 9
```

```
You have put an X in the lower right. You have beaten my poor AI!
```

```
Board:           Movement Key:
X| |             1|2|3
|X|             4|5|6
O|O|X           7|8|9
```