Debugging MiniProject.py

For debugging the python file, pdb was used. Breakpoints were set after each game definition, before conditional statements.

Command used to import the pdb module:

```
import pdb
```

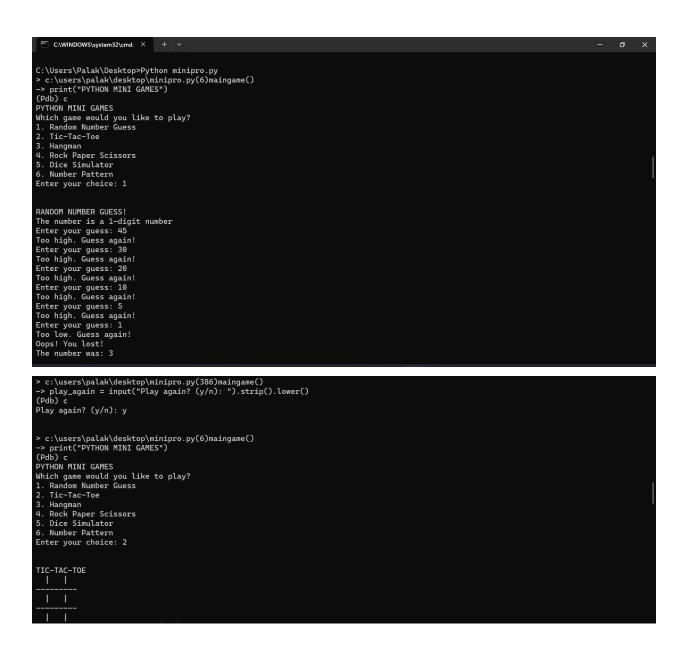
Command used to set breakpoints:

```
pdb.set_trace()
```

Commands used to debug through the code:

```
n (next): Execute the current line and stop at the next one.
c (continue): Continue execution until the next breakpoint.
q (quit): Exit the debugger and terminate the program.
```

Debugging screenshots:



```
Player 0, enter a position (0-8): 6

| X | 0 | X

------
| 0 | |
Player 0 wins!
> c:\users\palak\desktop\minipro.py(386)maingame()
-> play_again = input("Play again? (y/n): ").strip().lower()
(Pdb) c
Play again? (y/n): y

> c:\users\palak\desktop\minipro.py(6)maingame()
-> print("PYTHON MINI GAMES")
(Pdb) c
PYTHON MINI GAMES
Which game would you like to play?
1. Random Number Guess
2. Tic-Tac-Toe
3. Hangman
4. Rock Paper Scissors
5. Dice Simulator
6. Number Pattern
Enter your choice: 3
```

```
HANGMAN

Guess a letter: m

m _ _ _ _
Guess a letter: e

m = _ e

Guess a letter: r

m = r = e

Guess a letter: g

m = r = e

Guess a letter: g

m = r = e

Guess a letter: g

m = r = e

Congratulations, you've won!

> c:\users\palak\desktop\minipro.py(386)maingame()

> play again = input("Play again? (y/n): ").strip().lower()
(Pdb) c

Play again? (y/n): y

> c:\users\palak\desktop\minipro.py(6)maingame()

> print("PYTHON MINI GAMES")
(Pdb) c

PYTHON MINI GAMES

Which game would you like to play?

1. Random Number Guess

2. Tic-Tac-Toe
3. Hangman
4. Rock Paper Scissors
5. Dice Simulator
6. Number Pattern
Enter your choice: 4
```

```
ROCK PAPER SCISSORS
How many points do you want to play for? 4
Enter your choice: rock/paper/scissors: rock
You lost! The computer chose paper
Points: You: 0 Computer: 1
Enter your choice: rock/paper/scissors: paper
It's a tie! The computer chose paper
Points: You: 0 Computer: 1
Enter your choice: rock/paper/scissors: rock
You lost! The computer chose paper
Points: You: 0 Computer: 2
Enter your choice: rock/paper/scissors: paper
It's a tie! The computer chose paper
Points: You: 0 Computer: 2
Enter your choice: rock/paper/scissors: paper
It's a tie! The computer chose paper
Points: You: 0 Computer: 2
GAME OVER!
Sorry! You lost.
Your points:0
Computer's points:2
Play again? (y/n): y
```

```
C:\\unders\\palak\\desktop\\minipro.py(6)\maingame()
-> print("PYTHON MINI GAMES")
(Pdb) c
PYTHON MINI GAMES
Which game would you like to play?

1. Random Number Guess
2. Tic-Tac-Toe
3. Hangman
4. Rock Paper Scissors
5. Dice Simulator
6. Number Pattern
Enter your choice: 6
```

