



CYBER CHALLENGES

Python Challenge Mini Set



Directions:

Put your team.txt file in the same folder as the game.pyc file.

You are given three pdf files (named 'A.pdf', 'B.pdf', and 'C.pdf') that contain descriptions of code you must write. Start by playing the game (instructions below). Directions inside the game will point you to what to do next.

Put all code you create for the challenges into the given "Practice_Challenges.py" file. Make sure to SAVE this file before attempting to move past a letter block in the game. Use the arrow keys to move in the game and observe all text that appears at the top.

To play the game, open a command line window inside of the folder that this file is in, and type the following:

- For Windows:
`python game.pyc`
- For Mac or Linux (use 'python3' instead of 'python'):
`python3 game.pyc`

Note the 'c' at the end. This is because these are compiled python files.

I strongly suggest you uncomment the test code for each challenge to see if your challenge is working. Run the Practice_Challenges.py file directly (i.e. "python Practice_Challenges.py" on the command line). When you see all 'True' values on the screen, go ahead and run the game and try to pass the challenge block. If you don't pass a challenge, fix your code and restart the game.

You are **free to use** any built-in Python functions for these challenges (unless otherwise specified in the challenge). In fact, using Python functions might make some challenges a whole lot easier. Look to the class lecture notes first for help, then online if you can't find anything.

To be clear, you are not free to use any generative AI to help you in these challenges. This includes ChatGPT and all other LLM AI's. If you are caught using any AI to help you, your entire team will receive a zero for the whole challenge. So, if you see a teammate trying to use ChatGPT for help, take their laptop away from them, smack them on the hand, and tell them "No!" (I'm kidding of course, but do make sure your teammates aren't the reason your entire team gets a zero on this).