

Abstracts of Python Work

1. Rock, Paper, Scissors

In this project, Cecelia created a rock, paper, scissors game between a user and a computer. In this project, she utilized user input, variables, the random module, functions, loops, and conditionals.

2. Password Generator

In this project, Cecelia created a random password generator. She utilized the random and string modules, variables, string constants, user input, loops, in-built functions, and in-built methods.

3. Number Guessing Game

In this project, Cecelia created a number guessing game with a scoring aspect in which a user guesses a number from 1-99 until their guess matches the value that was generated by the computer. She utilized the random module, lists, function, conditionals, user input, variables, in-built functions and methods, and loops. The game also keeps track of the user's score and compares that score to the highest score of the game plays.

4. Fibonacci Sequence

In this project, Cecelia implemented the Fibonacci Sequence iteratively. She asked the user how many terms of the sequence they wanted as user input and then outputted those respective terms. She utilized user input, variables, conditionals, and loops to do this project.

5. Palindrome Checker

In this project, Cecelia obtained a string as user input and checked if that string is a palindrome or not. To do this project, she used functions, variables, user input, loops, and in-built functions and methods.

6. Python Exercises

In this project, Cecelia completed five various exercises to build her Python expertise. She worked with functions, variables, conditionals, lists, loops, operations, user input, strings, and in-built methods and functions.