I am Jade Sanchez presenting this ITAI2376 capstone project.
My development of LearnMate resulted in an interactive AI educational tool that provides personalized Python lessons while offering students customized exercises with adaptive feedback and automatic progress checkpoints.
The following demonstration will introduce you to agent functionality along with its main capabilities.

The platform utilizes a modular agent architecture during its build process. The system accepts user input while preserving progress data in memory for computational difficulty analysis which generates individualized practice problems.
The system develops personalized learning through the integration of Python code execution and reward tracking features that adapt to changing student needs throughout time.

The opening exercise sequence will become available for the first time. After learning the basics of programming LearnMate builds fundamental variable exercises for new programmers.
Users receive tasks directly from the interface while being guided through helpful hints for those who require additional direction.

The LearnMate platform verifies my answers before delivering immediate performance feedback along with precise details which judge answer accuracy.
The system gives me valuable feedback which helps me become better through each mistake made.

LearnMate monitors my exercise achievements to adjust its up-following task difficulty.
The program presents intermediate-level tasks which include loops following several successful responses.

LearnMate also includes safety measures. The system both checks user input while maintaining clear limits regarding its actions.

LearnMate provided this quick preview of its main functions during this demonstration. The system provides individualized exercises while giving students adaptive response feedback and

detailed progress tracking capabilities.

The preview of LearnMate's AI learning companion for programming has been completed with gratitude for your watch time during this technical demonstration.