Today,
I am exploring the development of a hint module for an educational platform that aims to enhance the coding quality of students. The module provides real-time, context-aware guidance to students, fostering a deeper understanding of coding practices and refactoring strategies.

It's an interactive tool that offers suggestions, best practices, and coding examples to students as they work on programming assignments. This approach helps with immediate problem-solving and contributes to long-term coding proficiency.

According to a study conducted by the Faculty of Computer Science of the Lublin Polytechnic University [1], students who had access to a hint module showed a 25% improvement in code quality over a semester, compared to those who didn't.

In the research titled 'Automated Generation of Detailed Programming Assignment Feedback'[2], the author proved that good feedback for students not only improves the code quality but also increases student engagement and satisfaction in learning programming.

Convincing evidence supports the idea that the hint module can significantly help programming learning. Several universities have conducted research that highlights the effectiveness of this tool in real academic settings.

In conclusion, the development of a hint module for programming education is not just a theoretical improvement, but a practically validated approach to enhancing code quality. The evidence, ranging from statistical data to research studies, firmly supports the integration of such modules into educational platforms. Teachers can use this innovative tool to provide effective assistance to students, ultimately improving the standard of coding education.

Thank you for your attention.