***Fake Product Detection***

***Team Members-***

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***Introduction-***

*The rise of counterfeit products in the market has become a major concern for both consumers and companies. This project aims to provide a simple solution to detect fake products using python. By verifying a products unique ID against a list of authentic product IDs, the system can identify whether the product is genuine or fake. The project is implemented using a basic Python program within a Jupyter Notebook environment. Although it's a beginner-level project, it sets the foundation for future enhancements such as barcode scanning and blockchain integration for secure verification. The solution is fast, lightweight, and suitable for small scale product verification systems.*

***Tools-***

*In this code we have used python in jupyter notebook.*

***Implementation-***

***Variable****: This creates a border to make the output more organized*

***Emoji Enhancement****: Adds a playful touch to the user experience.*

***List of Verified Products****: Simulated IDs to illustrate functionality; you can replace these with actual IDs*

***Exit message-*** *ensuring the runs in clean way and the output will look attractive.*

***Conclusion-***

*This program successfully checks whether a product ID is verified by:*

1. *Presenting a welcoming and visually appealing interface with separators (=) and emojis.*
2. *Cleaning up the user's input using strip() to remove extra spaces and upper() to standardize case, ensuring reliability in ID checking*