

# Hackathon Project Document

Project Title: Base64 Encoder/Decoder (Encode and Decode Text Using Base64)

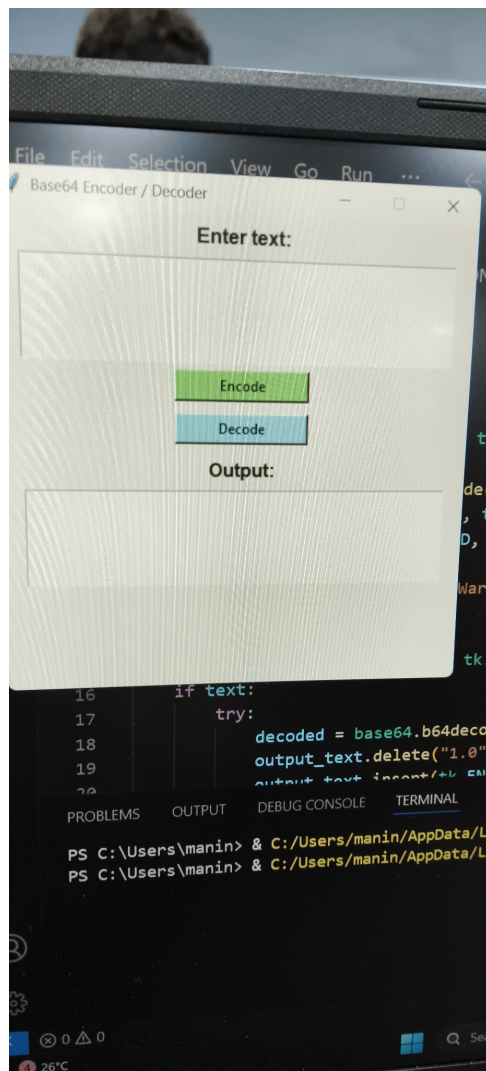
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Academic Year: 2025



## Conclusion

The Base64 Encoder/Decoder project successfully demonstrates the process of encoding text into Base64 and decoding it back to its original form. It highlights how Base64 can safely represent binary data as ASCII text, making it suitable for data transmission over text-only protocols. The project also showcases the simplicity and power of Python's base64 module for handling encoding and decoding tasks efficiently.