Introduction

- PROJECT NAME: **BUILDING BASIC CALCULATOR**
- COMPANY NAME: **NEXTHIKES IT SOLUTIONS**
- PRESENTED BY: **SIDDIQUI SABA**

What I Have Created

- I have created a Super Calculator that includes:
- - Scientific Calculator
- - Unit Converter
- - Currency Converter
- - Age Calculator
- These features make the calculator a multi-functional, all-in-one tool for various everyday needs.

Additional Functions & Uniqueness

- Functions Added:
- - Trigonometric operations (sin, cos, tan)
- - Square root, log functions
- - Unit conversions (Kg to Pound, etc.)
- - Currency conversion (INR to USD)
- - Age calculation from date of birth

- Why This Makes It Unique:
- - Combines multiple calculators in one
- - User-friendly, attractive interface
- - Saves time and improves usability

USE OF LIBRARIES

- Used Libraries:
- - tkinter: For GUI
- - datetime: For calculating age
- - math: For scientific operations

- Why These Were Used:
- - Built-in and easy to use
- - Suitable for small and fast applications
- - No need for installing external modules

Challenges & Solutions

- Challenges Faced:
- - Organizing multiple tools in one window
- - Handling input errors
- - Designing clean layout

How I overcame:

- - Used separate windows (Toplevel())
- - Applied try-except blocks for error handling
- - Color-coded buttons and structured layout

REFERENCES

1. **Python official Documentation-**
https://www.docs.python.org
2. **Greeks for Geeks** –
https://www.geeksforgeeks.org
3. **W3schools** –
https://www.w3schools.com/python
4. **Stack Overflow** –
https://stackflow.com

SCREENSHOT OF CALCULATOR