# Task 3 Report: Custom Colormap

## Title:

Creating and Using a Custom Colormap in Matplotlib

## Objective:

The aim of this task was to make a plot more visually appealing and personalized by designing a custom colormap in Matplotlib. This helps highlight patterns in the data more effectively.

## Tools Used:

We used the following tools:  
- Python  
- Matplotlib  
- NumPy

## Steps Taken:

1. Imported the required Python libraries.  
2. Created some sample data to visualize.  
3. Designed a custom colormap by choosing specific colors.  
4. Applied the custom colormap to the plot.  
5. Added a colorbar and labels to make the plot easier to read.

## Result:

The plot successfully displayed the data with our custom colormap, making it stand out and easier to interpret.

## Conclusion:

Custom colormaps in Matplotlib give you control over how your data looks, allowing you to make visualizations that are both attractive and informative.