NATIONAL UNIVERSITY OF COMPUTER AND EMERGING SCIENCES
(KARACHI CAMPUS)
FAST School of Computing
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Project Proposal: **C your weather**

Abstract:

This project presents a console-based weather application written in the C programming language, designed to simulate historical weather conditions for the city of Karachi in the year 2022. The application allows users to input a specific **month**, **day**, and **time of day** (morning, evening, or night) to retrieve static weather information such as **temperature**, **sea temperature**, **humidity**, and **wind speed**.

The core logic of the program utilizes nested switch statements to map user input to predefined weather data, simulating daily variations across different months. The interface is interactive yet simple, using standard input/output functions (scanf and printf) to guide users through the process. This project serves as a practical implementation of conditionals and control structures in C, demonstrating how user choices can be dynamically handled within a structured program.

While the data is hardcoded and limited to a single location and year, this application forms a foundational framework for building more advanced weather systems with real-time data and broader geographical support.

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