Emotion-Based Quote Generator

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Header Points For The Project

Introduction 01

To create a C program that enhances user interaction by linking emotions with uplifting quotes.

Working Mechanism 02

The program takes an emotion as input, selects a random quote from a matching category, and displays it.

Programming Concepts 03

rand() , srand() , arrays of strings , if-else , switch-case

Outcome & Future Scope 04

A simple yet meaningful system that promotes positivity — with potential to evolve into an AI-based mood tracker.

Core Programming Concepts Applied

1) Arrays of Strings
2) Conditional Logic (if-else, switch-case)
3) Random Number Generation
4) Functions and Modular Coding

Arrays

Arrays to store different quotes for different emotions

Rand( ) :

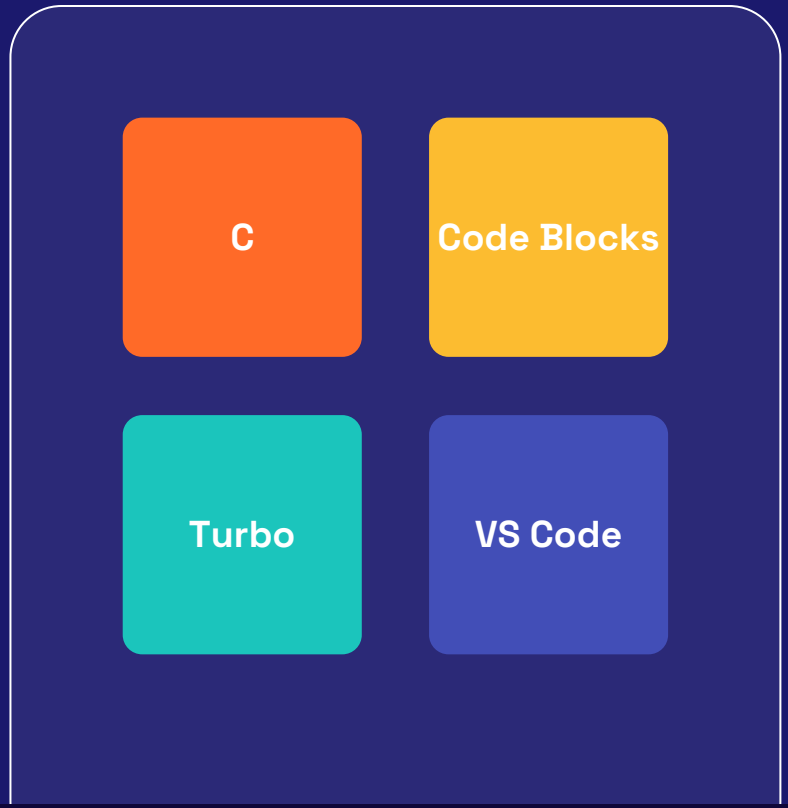
Generates random numbers

Introduction

The **Emotion-Based Quote Generator** is a C program that displays motivational quotes based on the user's current emotion.
It uses **arrays of strings** to store multiple quotes for each emotion and employs **if-else** and **switch-case** statements to compare the user's input with predefined emotional categories.
When an emotion is entered, the program selects and displays a quote that matches it, making the output interactive and personalized.

Coding Languages/Tools/Sftwre

1)C Language
2)Turbo C
3)VS Code
4)Code Blocks (If Needed)



Header Files To Be Used

<stdio.h> – for input/output functions

<string.h> – for string comparison

<stdlib.h> –for random number generation

<time.h> – for seeding the random generator

These headers together enable smooth execution of logic, randomness, and text-based functionality in the program..

These header files make the program interactive, dynamic, and efficient.

Project Use & Future Scope :

1) Provides motivational or mood-based quotes according to the user's emotion.
2) Promotes positivity and emotional awareness in a simple interactive way.
3) Serves as a learning project to practice strings, conditionals, and randomization in C.

1) Can be upgraded with **AI or emotion detection** to identify user moods automatically.
2) Extendable into a **mobile or web app** with a larger quote database.
3) Features like **voice input, text-to-speech**, and **cloud storage** can make it more engaging.