

COMPUTER **ORGANIZATION AND** **ASSEMBLY LANGUAGE**



QUIZ/PERSONALITY **GAME**

GROUP MEMBERS

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Introduction:

The MBTI Personality Quiz Program is an interactive tool designed to assess individual personality types based on the Myers-Briggs Type Indicator (MBTI) framework. With the increasing interest in self-discovery, a Personality Type Quiz Game serves as an engaging and accessible platform for users to explore and identify their unique personality traits. This project aims to provide users with a user-friendly experience in understanding their preferences and tendencies in various aspects of life.

Problem Statement:

Understanding one's personality type is crucial for personal and professional development. The absence of a readily available and interactive tool for MBTI assessment has prompted the development of the MBTI Personality Quiz Program. Traditional assessments can be complex and time-consuming, limiting their accessibility and appeal. There is a need for an interactive and enjoyable solution that combines the insights of personality psychology with an engaging user experience. This project seeks to address the need for a simple, accessible, and efficient personality assessment tool.

Motivation:

- The motivation behind this project stems from a keen interest in psychology and the desire to create a tool that enables

individuals to explore and understand their personalities. Additionally, the potential benefits of using the MBTI framework for self-awareness and team dynamics further fueled the motivation for this project.

- The motivation behind developing a Personality Type Quiz Game lies in the desire to provide individuals with an entertaining yet insightful tool for self-reflection. By gamifying the process of discovering one's personality type, we aim to reach a broader audience, encouraging self-awareness and fostering a deeper understanding of others.

Proposed Solution:

Our proposed solution is a Personality Type Quiz Game developed using assembly language and the Irvine32 library. The program utilizes file handling for displaying results, collects user responses, and determines the corresponding MBTI personality type. Through a series of thought-provoking questions and engaging scenarios, players can identify their personality traits and receive an entertaining yet informative analysis. The game leverages modern technology to create an interactive and visually appealing experience, making the exploration of personality types enjoyable and insightful.

Methodology:

The development environment for this project includes Visual Studio Code and the Irvine32 library for assembly language programming. The program follows a structured approach, starting with file handling

for displaying results and employing a branching logic to determine the personality type. The flow is designed to be user-friendly and intuitive. The methodology ensures a seamless and informative user experience.

Results Explanation:

The MBTI Personality Quiz Program interprets user responses to a series of questions, utilizing a decision-making process based on the MBTI framework. For each question, the program branches based on the user's input, eventually leading to the determination of one of the sixteen MBTI personality types. The program provides a clear and concise interpretation of the user's personality based on their responses.

Benefits/Advantages/Disadvantages:

Benefits:

1. Enhanced self-awareness.
2. Accessibility: The game is easily accessible to a wide audience.
3. Engagement: Users are actively involved in the self-discovery process.

Advantages:

1. User-friendly interface.
2. Efficient and streamlined code.
3. Accessibility for individuals interested in personality assessment.

Disadvantages:

1. Simplified models may not capture the full complexity of personality.
2. Limited Scope: The game offers insights within the context of a quiz and may not replace in-depth psychological assessments.

Conclusion:

The Personality Type Quiz Game represents a step toward making personality assessments more approachable and enjoyable. While acknowledging its limitations, the game contributes to the broader goal of promoting self-awareness and interpersonal understanding. As technology continues to intersect with psychology, gamified approaches offer exciting possibilities for personal development.

References:

- 1.16 Personality type test
2. We used our lab manuals and our concepts taught in our class and lab.