



NATIONAL UNIVERSITY OF COMPUTER AND EMERGING SCIENCES

MAIN CAMPUS KARACHI

Department of Computer Science

Fall 2019

COURSE:

COAL-LAB EL-229

COURSE INSTRUCTOR:

MS. SUMAIYAH ZAHID

REPORT ON COAL-PROJECT:

THE TIC TAC TOE GAME

TEAM MEMBERS:

[18K-0366]

SAYED MUSHAHID RAZA QUADRI

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SYED HAMZA BIN MAQSOOD ALI SHAH

[18K-0135]

LAKSH KUMAR

STUDENTS OF SECTION C

PROBLEM STATEMENT:

It's a console screen based 3x3 Grid-Game, developed of Assembly Language X86 on Visual Studio IDE. This game will be utilizing functions of Irvine32 Library. It will have functions like Multi Players, Computer Vs Player, Multi Difficulty Levels and Filing System (For High-Score).

METHODOLOGY:

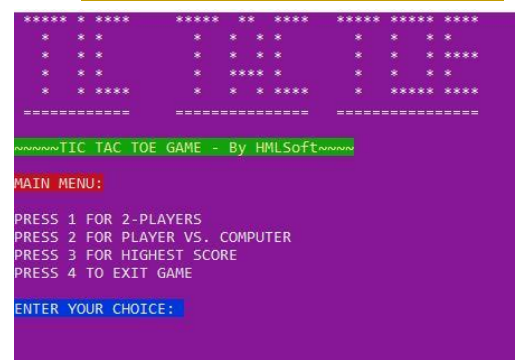
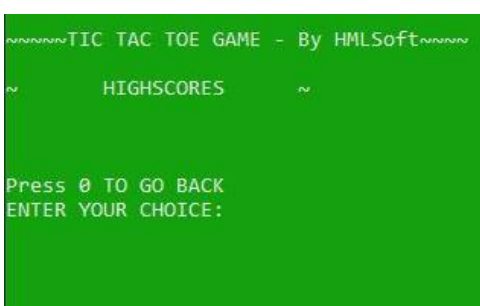
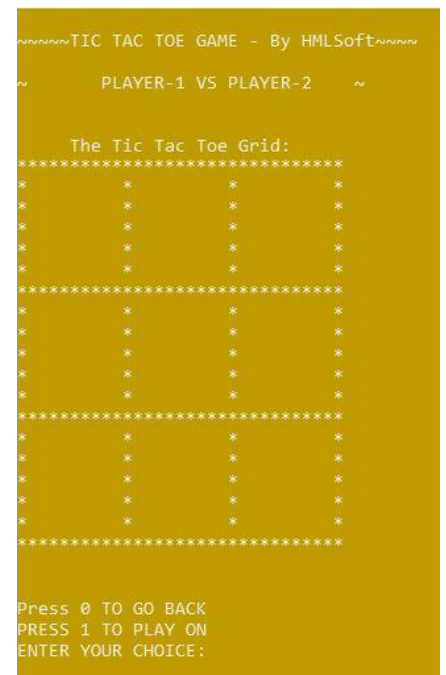
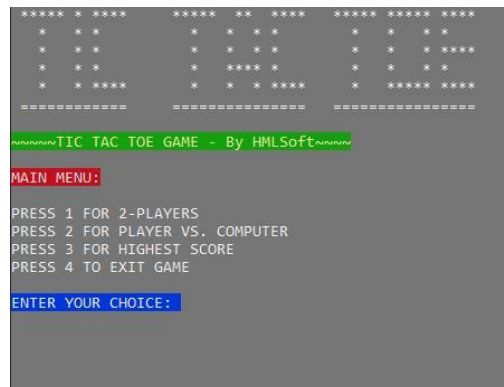
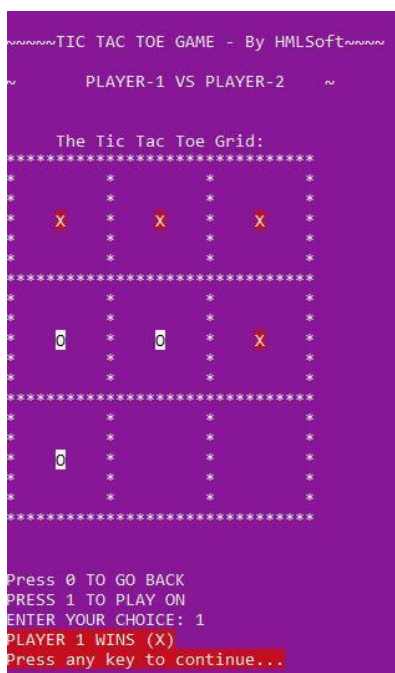
This project is being developed of Visual Studio 2017. The Display is being made by using loops and GoToXY Functions. For Display Recursive Calling of Pages is Being Used. To Register the Ticks/Crosses a multi-valued/2-D Array is being used.

Color Change of screen is also used using SetTextColor of Irvine Library. System of Coordinates is also used to get display on the correct square of Grid.

The color of home screen will be changing everytime we visit, so user don't get bored looking at the same color.

The program will be intelligent enough to play on its own on difficult mode and will use random numbers of easy mode.

PROJECT SCREENSHOTS:



PROJECT WORK BREAKDOWN:

GROUP MEMBERS	WORK
S. MUSHAHID RAZA QUADRI	Project Documentation, Overall Display, Game Control
	Grid Display, Pages Transitions
S. HAMZA BIN MAQSOOD ALI SHAH	Winning/Losing Check, Mark Registration
	Player Vs Comp
LAKSH KUMAR	Player Vs Comp/Filling & High-Score Recording

CONCLUSION:

This project helped us to grasp what was being taught us in classes and lab. We learned how to use masm, and Irvine functions together to build logics and control the system. It also developed our interest in the field of computer architecture and attracted us toward how wild, the world of computing has become. Using a very basic and computer friendly language was a new experience but was very fun to implement and learn. Overall this project was very informative and a very amazing learning experience for us.

This report is under your kind consideration and perusal.

PS: Attached Is A Code Of The Project!

THE END