



Project Brief : Draught Game Implementation in C

AUTHORED BY :

Deepak Kumar.GS | Ist Year AI&DS | 21 January 2022

Foreword :

The Game “Draughts” is also known as “Checkers”. This game involves 2 persons on 8 x 8 board. Each player is provided with 12 coins to play the game. The main objective of the game is to capture the opponent's coins by moving the coins diagonally. This is an ancient game which is easy to play but difficult to win. This program was designed using the C language.

KEY CONCEPTS IMPLEMENTED :

- ▶ Multi – dimensional Arrays
- ▶ String Handling
- ▶ The Array Data Structure
- ▶ Functions
- ▶ Pointers
- ▶ Iterations and Loops
- ▶ Control and Conditional Statements
- ▶ Elementary Operators

Group Details :

The Group was composed of four members and all the four members contributed to the project. There were no non-functioning members.

The efforts and hard work put in by the members were vital in the successful completion of the project.

The names of the members are enlisted below along with their respective enrollment numbers :

1. Karthick Srinivas - 71762108018
2. Deepak Kumar G.S - 71762108006
3. Bala Saatvik T - 71762108005
4. Kavin T – 71762108019

Core Contributions of Each Member :

- 1.) Karthick Srinivas : helped to develop the procedures which involved movement and capturing of the Draught coins.
- 2.) Bala Saatvik : helped to develop the procedures which involved the display of the checkerboard and movement of the Draught coins.
- 3.) Deepak Kumar : helped to develop the system of storing and updating the player records and the file handling system.
- 4.) Kavın T : Helped to develop the algorithms and logic for the development of all the major procedures, also Contributed to Testing and bug fixing of methods and other code.

Other Contributions of Each Member :

- 1.) Karthick Srinivas : Added comments to the final version of the program which will enhance the readability of the program. Also Proof read and applied editing and formatting wherever required.
- 2.) Bala Saatvik : Authored the Project Report.
- 3.) Deepak Kumar : Authored the Project Brief
- 4.) Kavın T : Constructed the Pseudo Code