THE SNAKE GAME

CREATED BY

MOHIT

24

MCA 1

Overview

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INTRODUCTION

THE GAME CALLED “SNAKE" OR “SNAKE GAME" TYPICALLY INVOLVE THE PLAYER CONTROLLING A LINE OR SNAKE, THERE IS NO OFFICIAL VERSION OF THE GAME, SO GAMEPLAY VARIES. THE MOST COMMON VERSION OF THE GAME INVOLVES THE SNAKE OR LINE EATING ITEMS WHICH MAKE IT LONGER, WITH THE OBJECTIVE BEING TO AVOID RUNNING INTO A BORDER OR THE SNAKE ITSELF FOR AS LONG AS POSSIBLE.

OBJECTIVES

IN THIS PROJECT, YOU CAN PLAY THE POPULAR "SNAKE GAME" JUST LIKE YOU PLAYED IT ELSEWHERE. YOU HAVE TO USE THE W, S, D OR A KEYS TO MOVE THE SNAKE. FOODS ARE PROVIDED AT THE RANDOM CO-ORDINATES OF THE SCREEN FOR THE SNAKE TO EAT. EVERY TIME THE SNAKE EATS THE FOOD, ITS LENGTH WILL BY INCREASED BY ONE ELEMENT ALONG WITH THE SCORE.

Requirement

1.SOFTWARE:

OS: WINDOW 7,8,8.1,10
MAC OS AND LINUX
IDE: TURBO C++

2.HARDWARE:

PROCESSOR :PENTIUM 4 OR ABOVE
RAM:2GB OR ABOVE
MONITOR KEYBOARD

Feasibility

TECHNICALLY FEASIBLE :

TECHNICALLY ,THIS PROJECT IS FEASIBLE BECAUSE OF USE PROPER SOFTWARE AND LATEST TECHNIQUES.

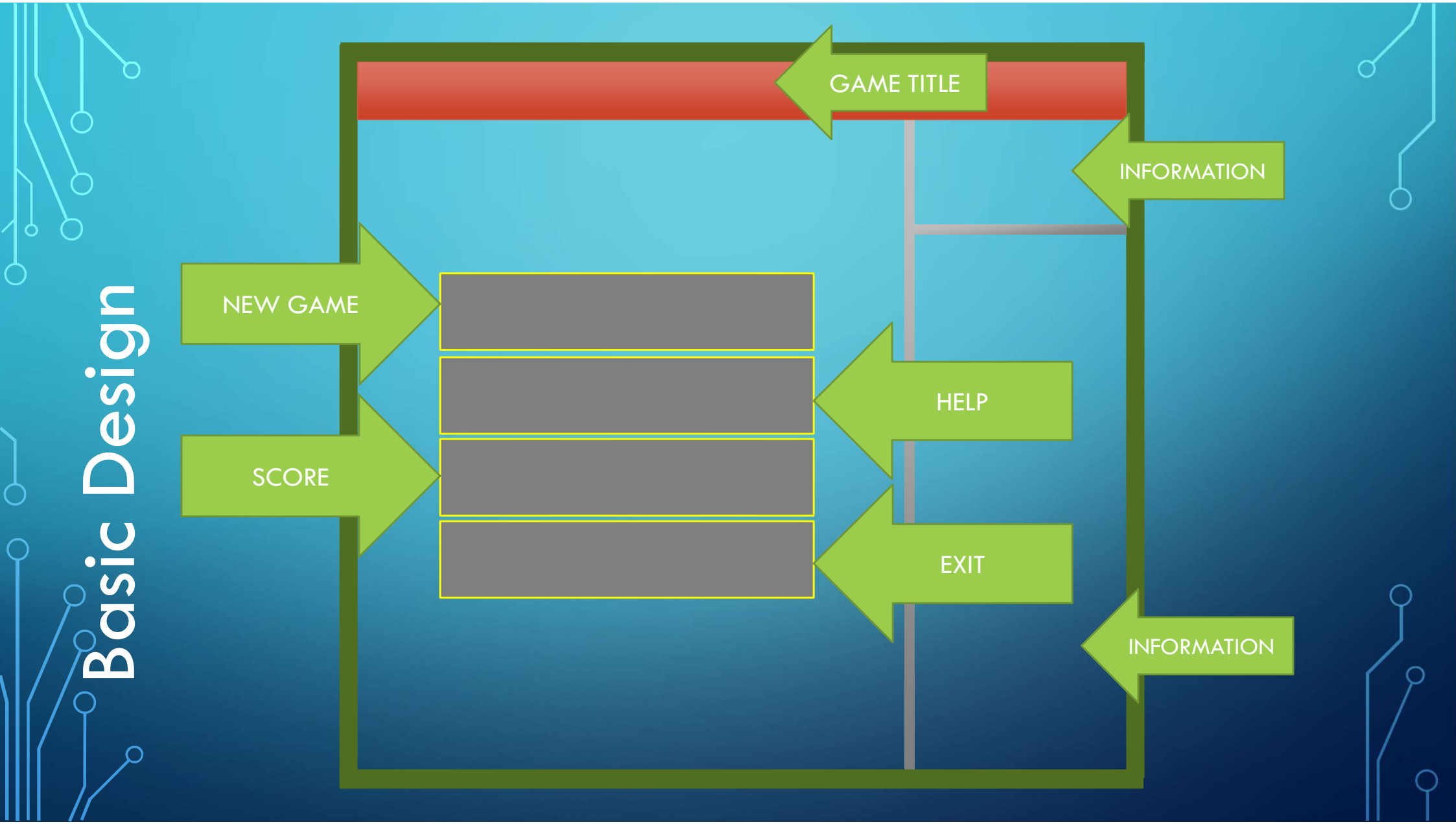
FINANCIALLY FEASIBLE:

FINANCIALLY ,IT IS ALSO VERY FEASIBLE IT IS MADE UP IN VERY LOW COST.

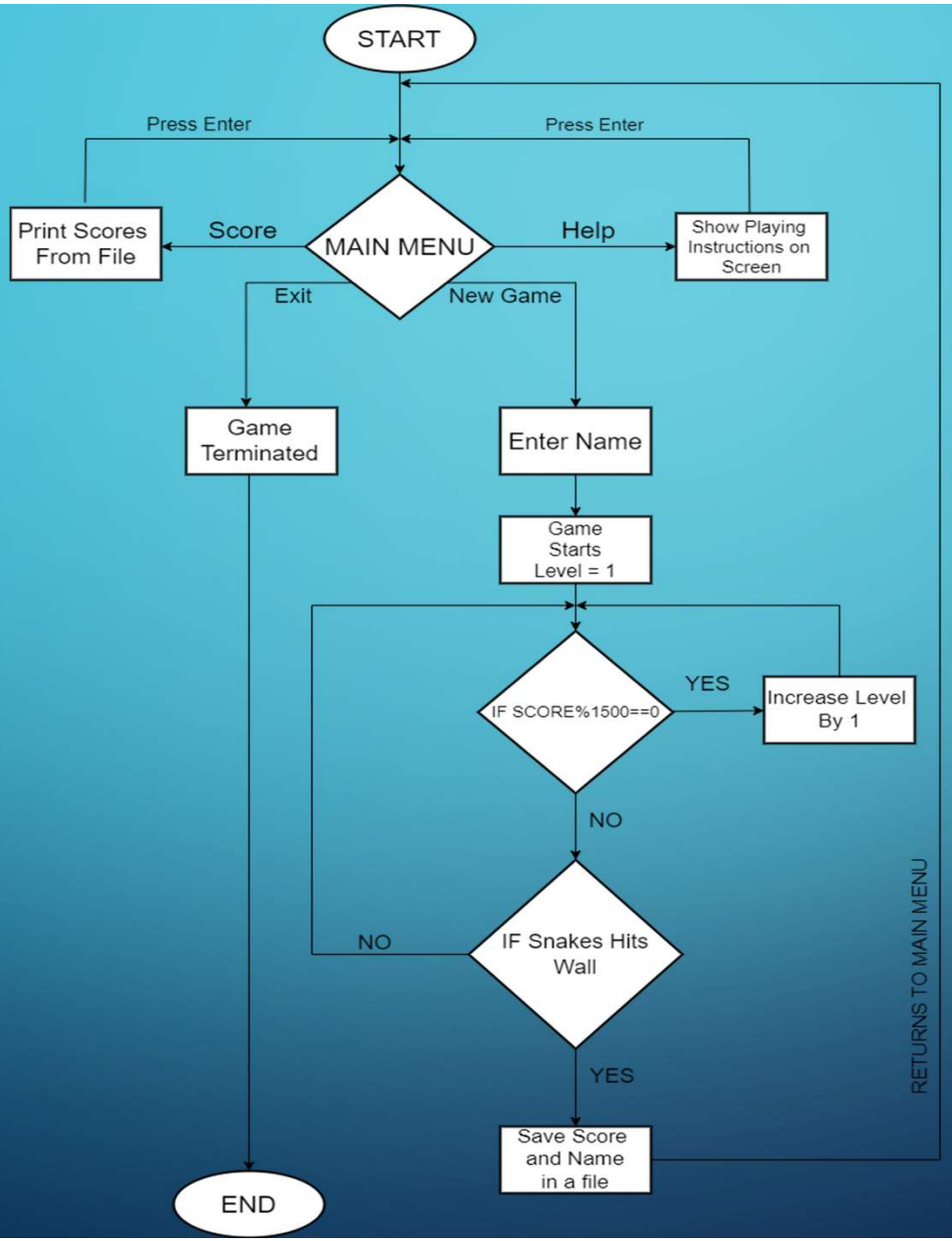
OPERATIONALLY FEASIBLE:

VERY EASY TO USE.

Basic Design



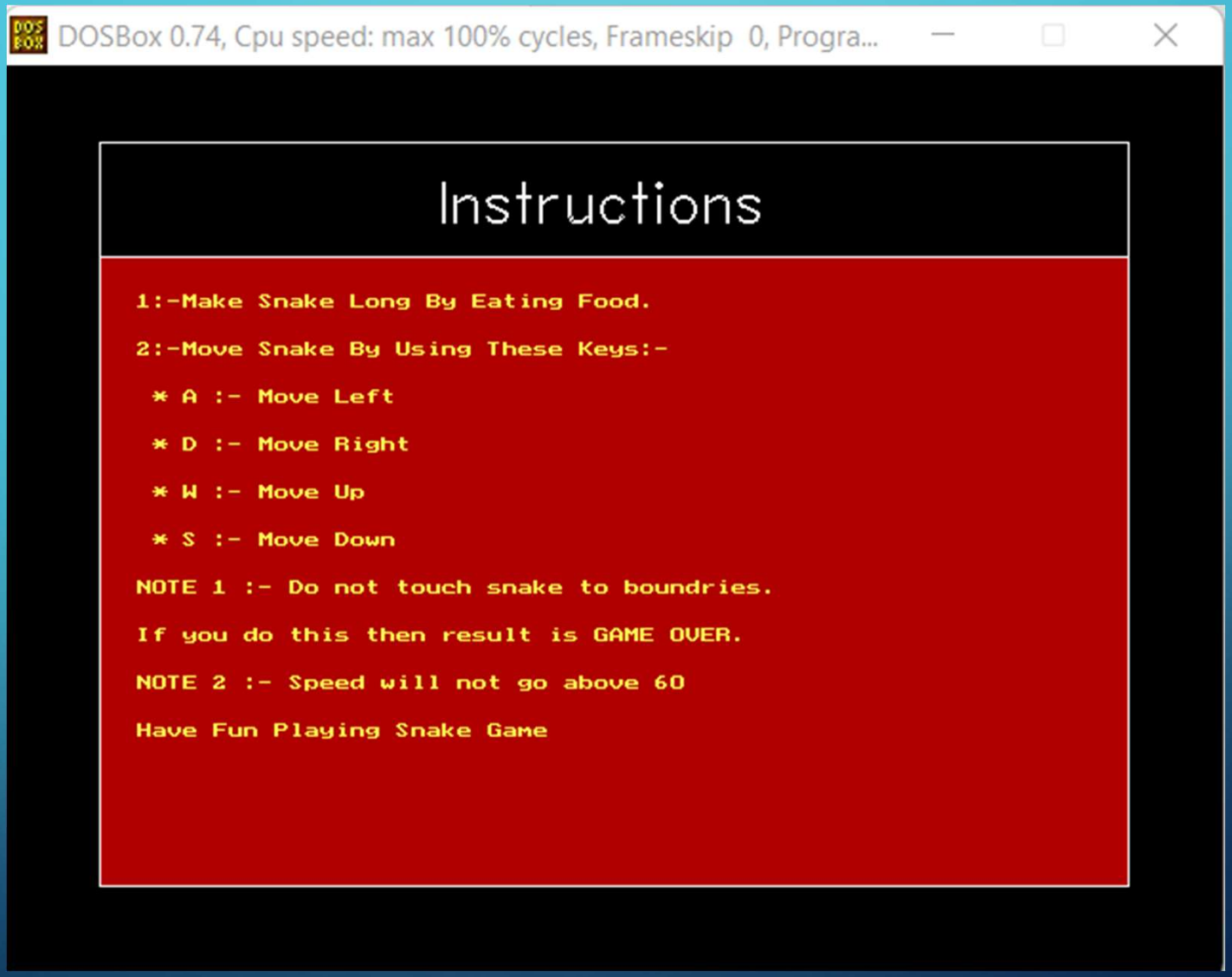
FLOW CHART


START
Press Enter
Press Enter
Print Scores From File
Score
MAIN MENU
Help
Show Playing Instructions on Screen
Exit
New Game
Game Terminated
Enter Name
Game Starts Level = 1
IF SCORE%1500==0
YES
Increase Level By 1
NO
IF Snakes Hits Wall
NO
YES
Save Score and Name in a file
END
RETURNS TO MAIN MENU

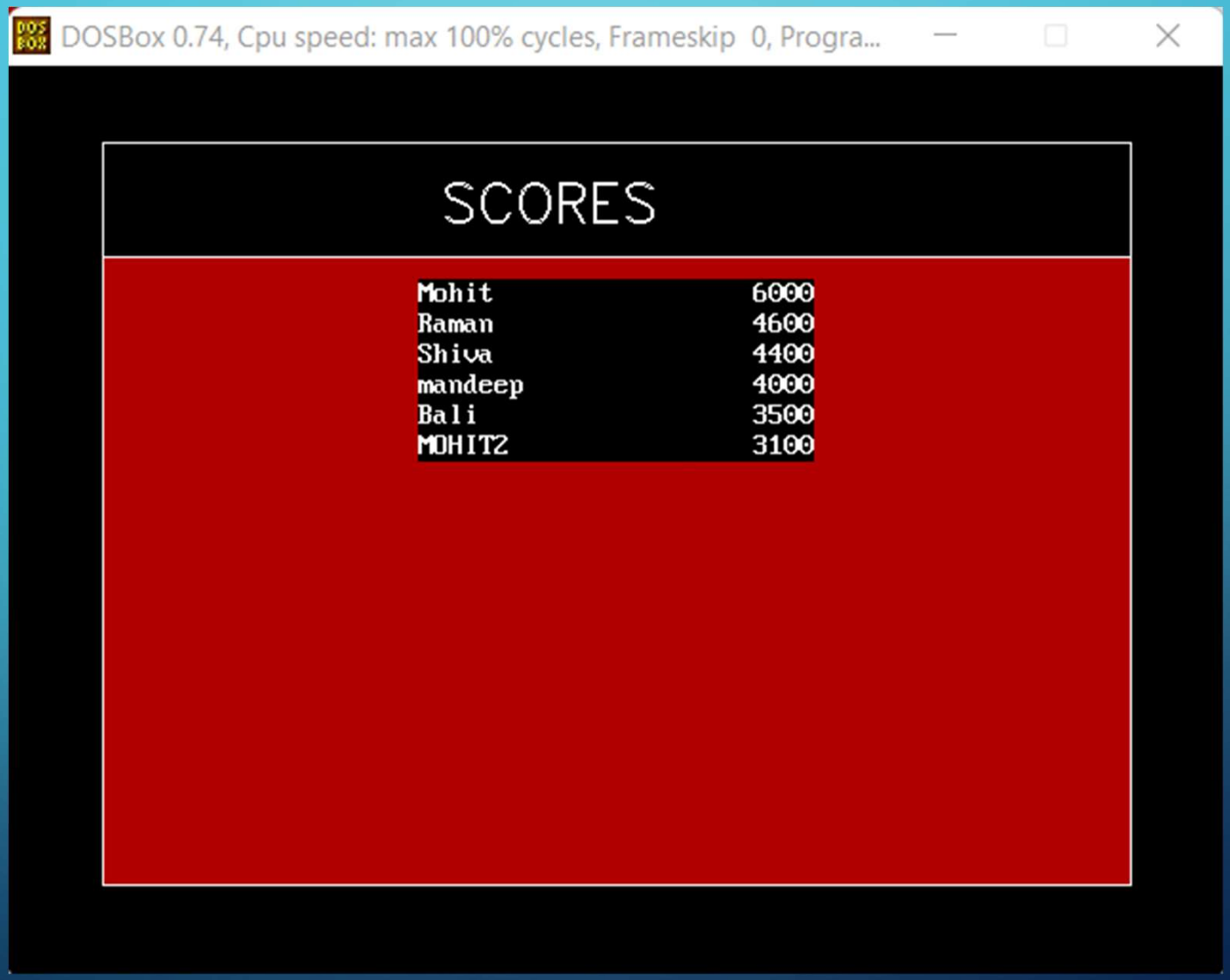
MAIN MENU

DOSBox 0.74, Cpu speed: max 100% cycles, Frameskip 0, Progra...
SNAKE GAME
Panjab University
Chandigarh
->New Game
Help
Score
Exit
<<<WELCOME TO SNAKE GAME>>>
Developed By
MOHIT
MCA 2nd Sem
Guided By
Mrs. Shyamla Devi

HELP


DOSBox 0.74, Cpu speed: max 100% cycles, Frameskip 0, Progra...
Instructions
1:-Make Snake Long By Eating Food.
2:-Move Snake By Using These Keys:-
* A :- Move Left
* D :- Move Right
* W :- Move Up
* S :- Move Down
NOTE 1 :- Do not touch snake to boundries.
If you do this then result is GAME OVER.
NOTE 2 :- Speed will not go above 60
Have Fun Playing Snake Game

SCORE


DOSBox 0.74, Cpu speed: max 100% cycles, Frameskip 0, Progra...
SCORES
Mohit 6000
Raman 4600
Shiva 4400
mandeep 4000
Bali 3500
MOHIT2 3100

ENTER NAME

DOSBox 0.74, Cpu speed: max 100% cycles, Frameskip 0, Progra...
SNAKE GAME
ENTER PLAYER NAME
MOHIT
Panjab University
Chandigarh
Developed By
MOHIT
MCA 2nd Sem
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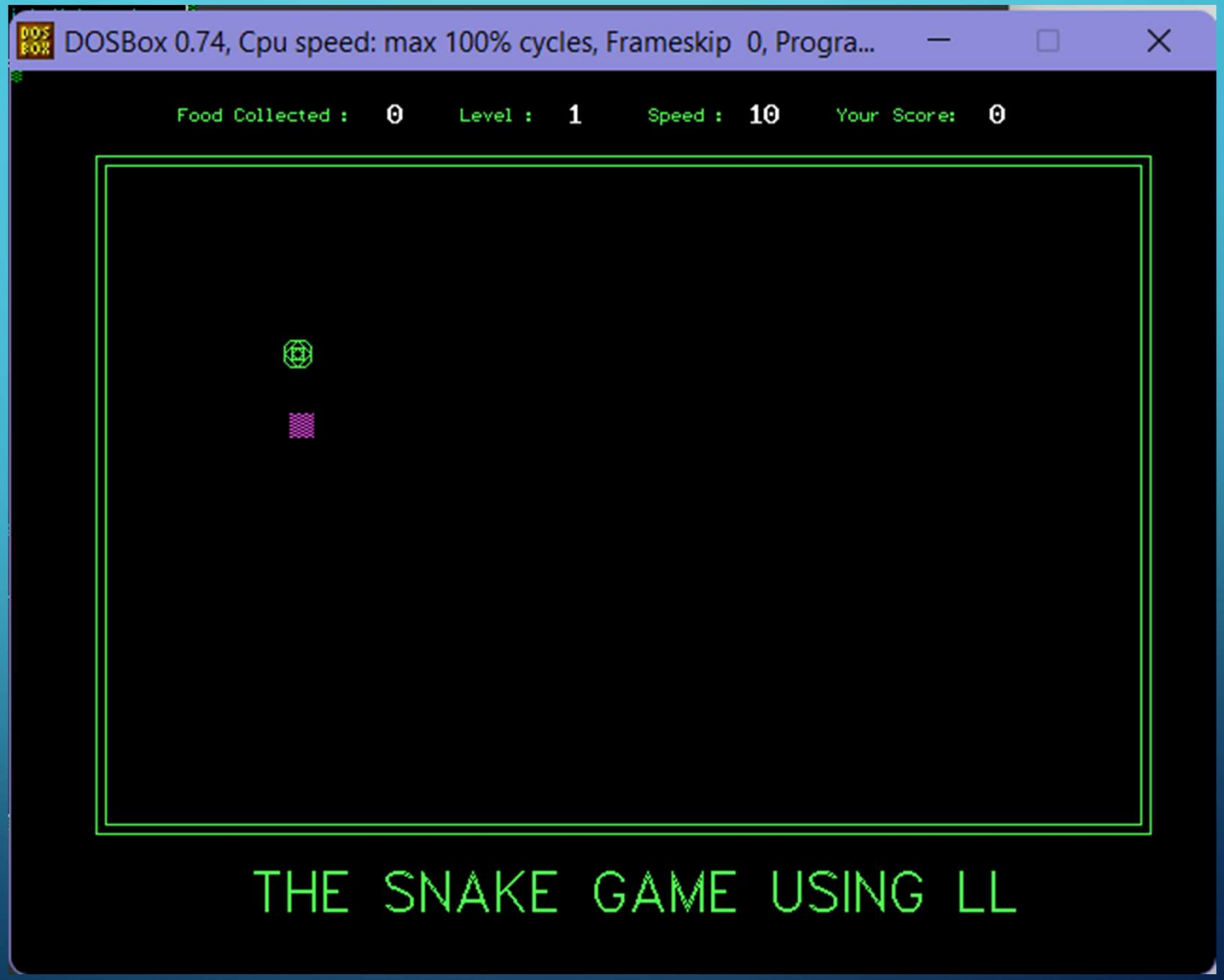
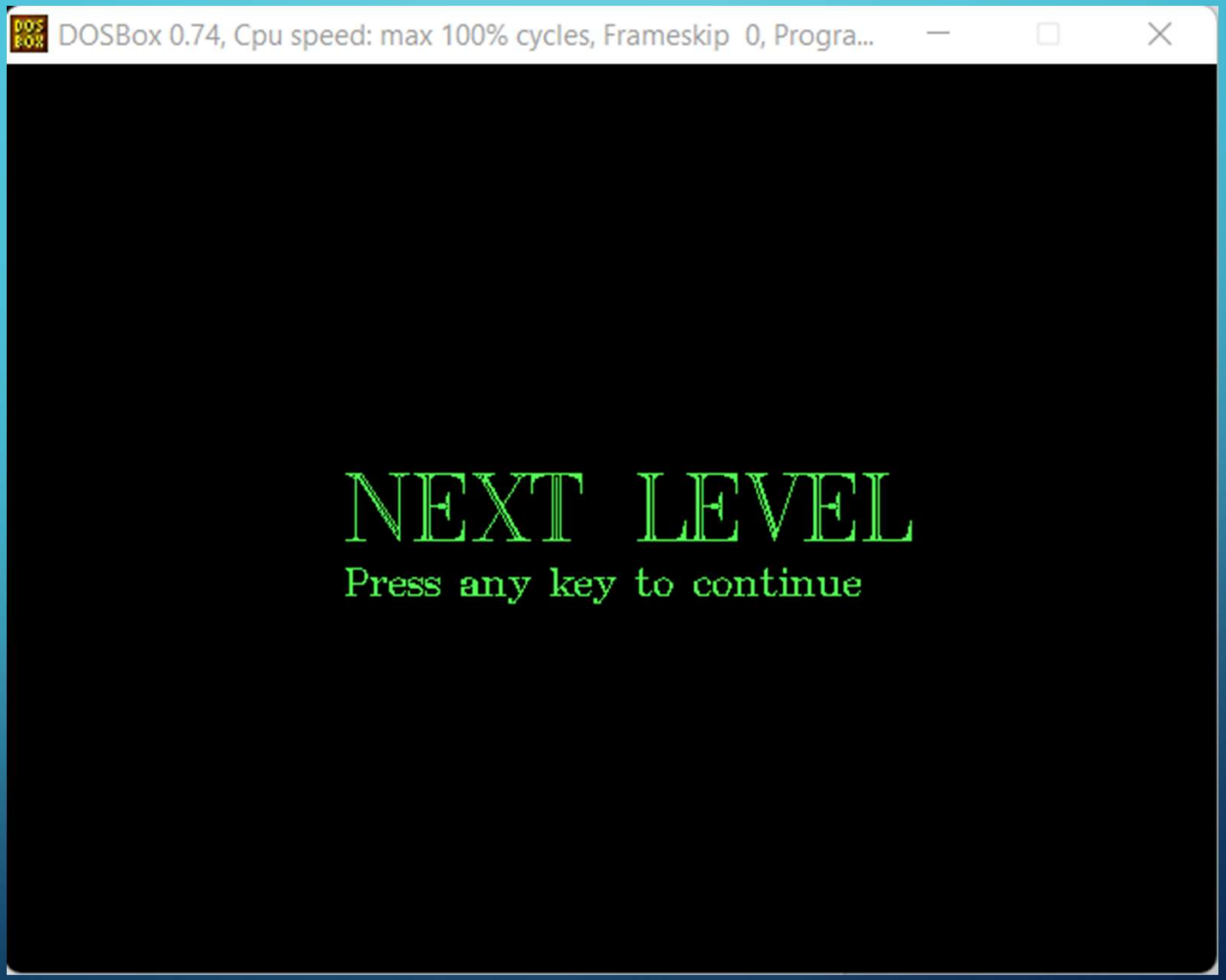
Mrs. Shyamla Devi

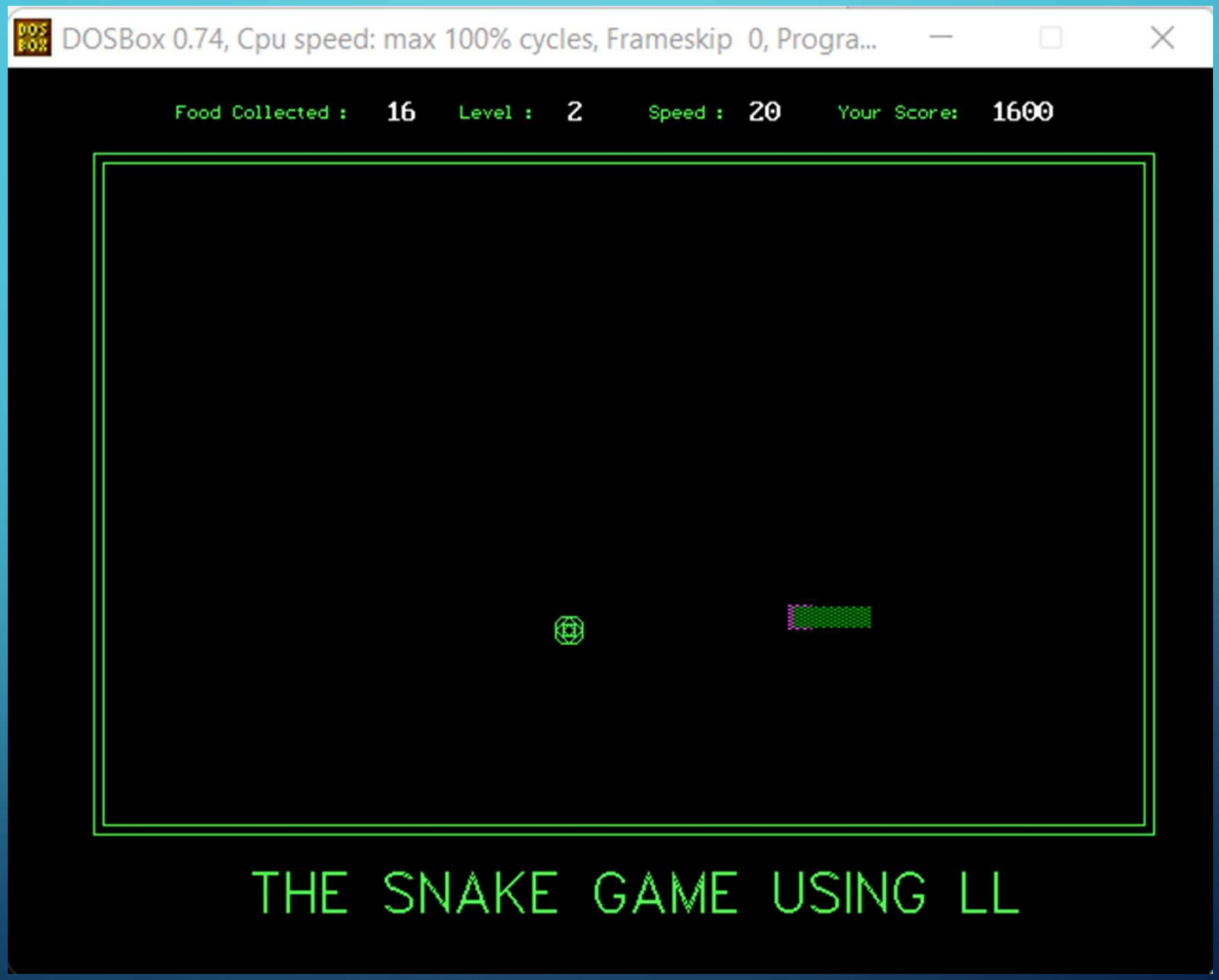
GAMEPLAY(L1)


DOSBox 0.74, Cpu speed: max 100% cycles, Frameskip 0, Progra...
Food Collected : 0
Level : 1
Speed : 10
Your Score: 0
THE SNAKE GAME USING LL

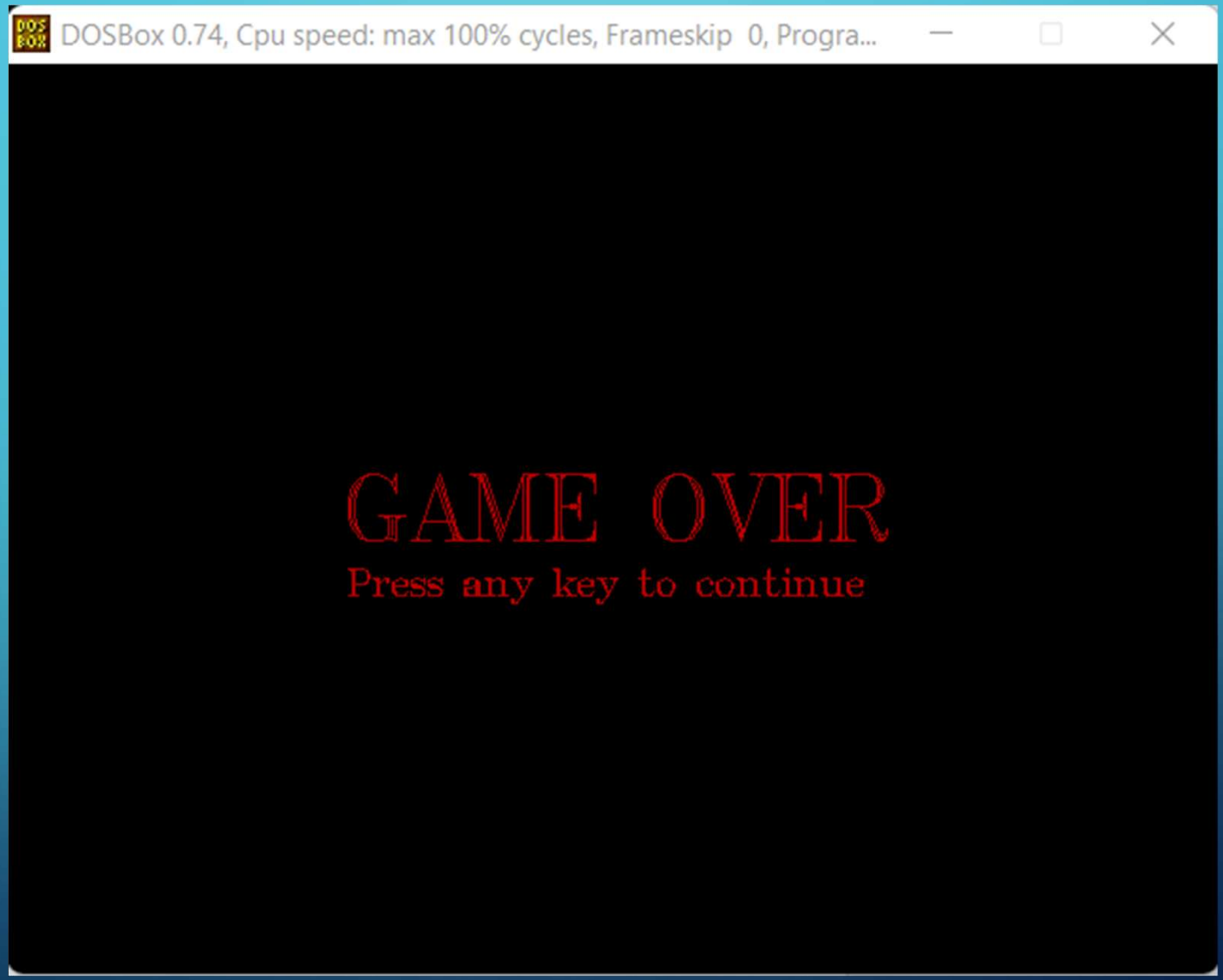
LEVEL UP


DOSBox 0.74, Cpu speed: max 100% cycles, Frameskip 0, Progra...
NEXT LEVEL
Press any key to continue

GAMEPLAY (L2)


DOSBox 0.74, Cpu speed: max 100% cycles, Frameskip 0, Progra...
Food Collected : 16
Level : 2
Speed : 20
Your Score: 1600
THE SNAKE GAME USING LL

GAME OVER


DOSBox 0.74, Cpu speed: max 100% cycles, Frameskip 0, Progra...
GAME OVER
Press any key to continue

Future Scope

THIS PROJECT WILL BE ABLE TO IMPLEMENT IN FUTURE AFTER MAKING SOME CHANGES AND MODIFICATIONS AS WE MAKE OUR PROJECT AT A VERY LOW LEVEL. SO, THE MODIFICATIONS THAT CAN BE DONE IN OUR PROJECT ARE:

1. IT CAN BE MADE WITH BETTER GRAPHICS.

2. WE CAN ADD MORE OPTIONS LIKE TOP SCORES AND PLAYER PROFILE

3. WE CAN ADD MULTIPLAYER OPTION.

CONCLUSION

THE MAIN AIM OF THIS PROJECT IS TO CREATE A GAME WHICH WE CAN PLAY WHEN WE ARE GETTING BORED.
THIS PROJECT INCREASED MY KNOWLEDGE ABOUT C GRAPHICS.
I ALSO GET PROPER KNOWLEDGE ABOUT SOME DATA STRUCTURE CONCEPTS LIKE, ARRAYS, LINKED LIST, ETC.
THIS PROJECT WAS QUITE COMPLEX DURING SNAKE DESIGNING PHASE USING LINKED LIST.
I FELT VERY HAPPY AFTER COMPLETING THIS PROJECT UNDER GIVEN TIME.

THANK

YOU