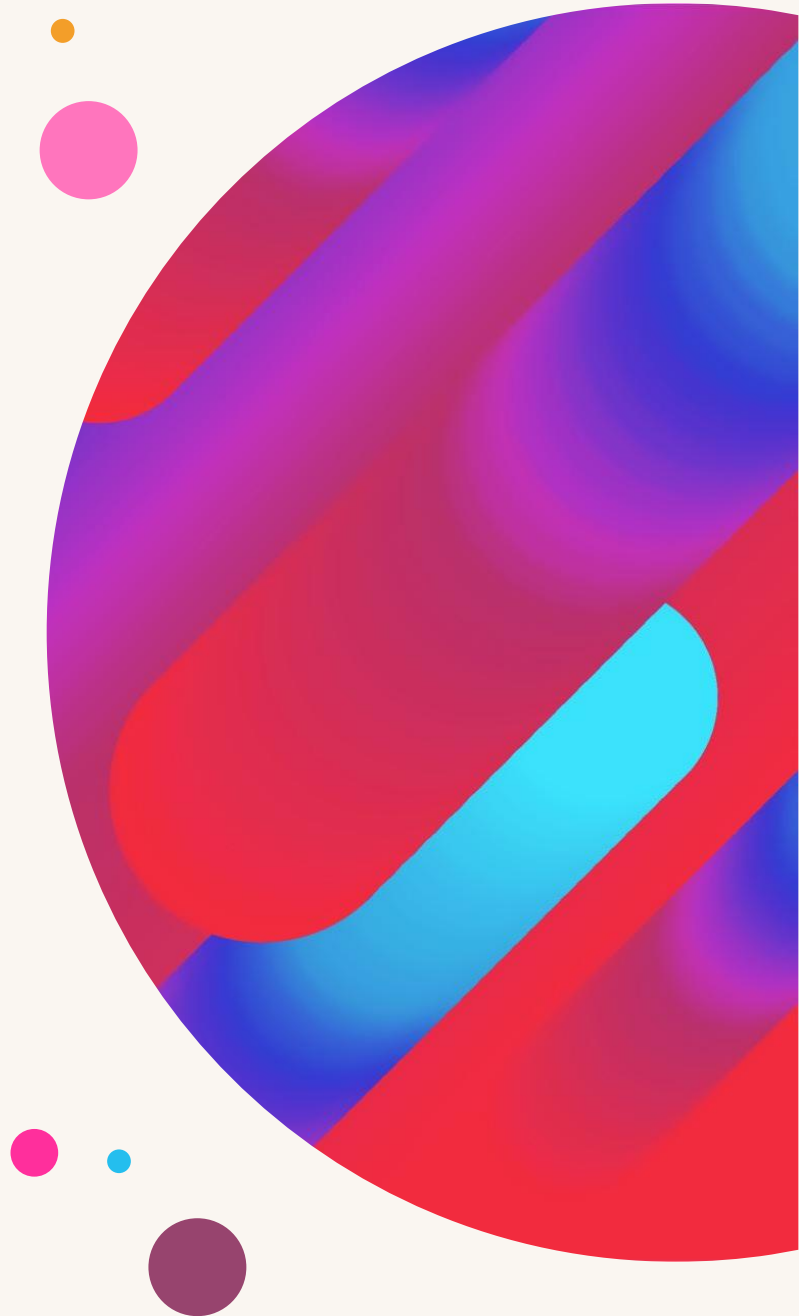# COP290-Assignment 2

- **<u>Maze Game</u>**
- By-
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Introduction

- This is a 2 player game. We have to first connect two computers. Then we can play the game.

- For Setup and Game Start follow the following instructions:

•First of all ensure that you had downloaded all required library.
•Now clone this github Repo to your system.
•Open terminal. Now run command make
•If you want to run as server then run command ./game s
•If you want to run as client then run command ./game c <ipAddr>
•Here is IP Address of the server computer
•If you want to play alone then run ./game
•Your game started. Play.
•You should have Linux as your OS for the game to run.

Game Rules

Game Rule 1

Beaware of Dogs moving in the Campus.

If you collide with a dog then your life will decrease by 1.

So try to not collide with the dogs.

Game Rule 2

- Collects the coins.

- If you have enough coins then you can increase your life by 1 unit from Energy points in the campus.

- From one energy point you can get energy only once.

- Coins :-

- Energy points :-

Game Rule 3

- You have to reach the end point before your enemy.

- So, take best path and try to reach the end point as soon as possible.
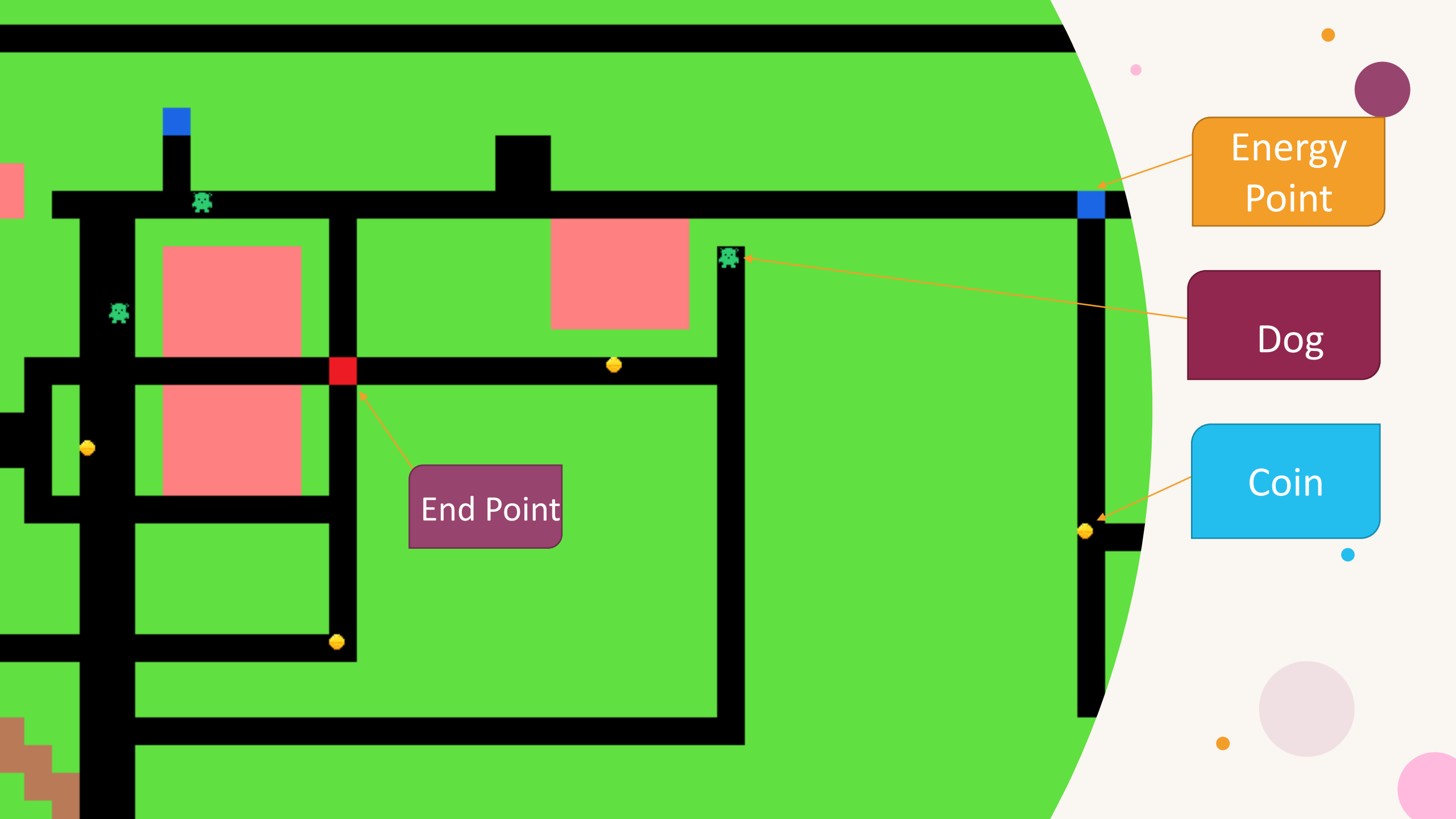
- End Point :-

Game Components

- Game has Two Players Player 1 and Player 2. In the starting both player has life=5 and coins=0.
- One who first reach the end point will won the game.
- If life of one of the Player becomes 0. Then his enemy will won the game.

- Player can move only on road, mud-road and energy point.
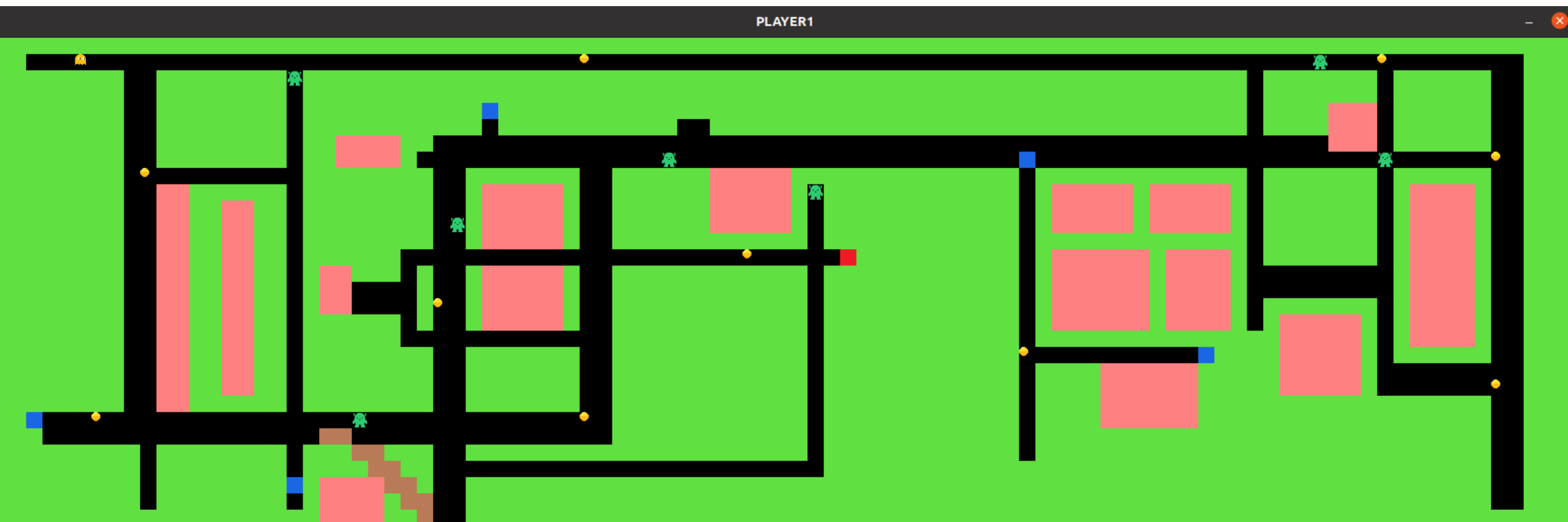
Player 1

Player 2

Energy Point

Dog

End Point

Coin

Play the Game

Game Over


```
rajni@rajni-Inspiron-3501:~/Documents/COP290/Maze Game$ ./game
Arguments:1
The game has been initialised
Window created
Renderer initialised
TTF loaded succesfullysetting the end0r: 5.52056
Player: 1, 18, 90
Loading Media..loaded Media!===================================
================ GAME OVER ===================
==========================================
================ YOU LOSS ====================
---------------------------------------------
================ SCORES ====================
PLAYER1: coins :- 0 life :- 0
---------------------------------------------
PLAYER2: coins :- 0 life :- 5
---------------------------------------------
```

When Game is over Result will be shown on the command line. As shown in the figure here.

You have to connect again to play the game again.

Thank-you