**Introduction:**

This Mini Project in C coins collection Game is a simple console application without graphics. In this project, the player is going to collect coins randomly emerging on screen and must change the direction of the person by pressing left, right, top, down arrows for collecting the coins. This Mini Project in C coins collection Game is a simple console application without graphics. In this project, the player is going to collect coins randomly emerging on screen and must change the direction of the person by pressing left, right, top, down arrows for collecting the coins. This Mini Project in C coina collection Game is a simple console application without graphics. In this project, the player is going to collect coins randomly emerging on screen and must change the direction of the person by pressing left, right, top, down arrows for collecting the coins.

**Requirements:**

To create a coin collecting game that allows the user to control the movement of a person on a screen, to get jewellery. we want to write a game where a person moves across the screen. When he/she encounters a coin, it is collected by the person. If all the coins were collected by the person, then display game over and number of moves taken by the person to collect all the coinss present. In case a player quits by not collecting all the jewels present then we need to display the number of coins collected and number of moves taken to collect.

To write this program we are going to need:

· A way of representing the person.

· A way of representing the coins.

· A way to display the number of moves taken by the person.

· A way for our instructions to reach the person, i.e., to move in a given direction.

random function:

In c program there is a random function which is used to place the coin at any point on the screen. Thus, use this function to place coin at any point on the screen.

Changing Direction:

The direction of a person can be changed by using kbhit() function. when you press the character accordingly it will change the direction of the person.

Srand:

if we don't use srand() then every time we compile and run the program we will be getting the same coordinate for coins hence it is a must to use srand function.

Let's look at how a program to run the whole game might look:

1. Draw the playing area with a bounding rectangle, set the number of moves counter to zero.

2. Draw the person in a starting position.

3. Draw the coins in a random location.

4. On user input, change a person's direction.

5. Continue until all the coins are collected.

6. If all the coins are collected, then display with a message called game over and display the number of moves a user takes to collect all the jewels present within the boundary.

7. If a user quits the game, then display a message called you quit and display number of coins collected and number of moves he/she took to collect coins.

**SWOT Analysis:**

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| --- | --- | --- | --- |
| **Strengths** | **Weakness** | **Oppurtunities** | **Threats** |
| * Next –level mobile gaming! * Available in all mobile platforms. * Game development tool easy to use. | * Lack of data on games from the same genre. | * **Simple mechanics will attract casual gamers.** | * Establishment competition from every genre. |