COMPUTER PROGRAMMING PROJECT

GAME_ZONE

Designed By

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Welcome to the GAME_ZONE !!!

```
||          Choose a game          ||
||          _____          ||
||                                 ||
|| Press [1] to Play 21 Matchsticks ||
|| Press [2] to Play Tic-Tac-Toe    ||
|| Press [3] to Play Snake & Ladder ||
```

User can Select Any Game by Pressing **1** or **2** or **3**

```
══════════════════════════════════════════
        21 Matchsticks
──────────────────────────────────────────
══════════════════════════════════════════


There are 21 Matches. You have to pick either 1,2,3 or 4.
Computer will also do the same.
The one who will be left with one matchstick loses!

Can you beat the champion CPU ? Lets see !!

══════════════════════════════════════════

Number of Match sticks left = 21
                              ══
Pick 1 or 2 or 3 or 4 matches = 4

Number of matches left = 17
                         ══
Out of which computer picked up 1
```

User Selected Game – 1
21 Matchsticks

Here User picks **4** Matches and then Computer picks **1** Match and so on…

```
================================================
          21 Matchsticks
================================================


There are 21 Matches. You have to pick either 1,2,3 or 4.
Computer will also do the same.
The one who will be left with one matchstick loses!

Can you beat the champion CPU ? Lets see !!


================================================
Number of Match sticks left = 6
                            ==
Pick 1 or 2 or 3 or 4 matches = 4

Number of matches left = 2
                        ==
Out of which computer picked up 1
================================================


Number of matches left = 1
                        ==


>> Sorry!! :( You lost the Game.

Press Any Key to go back to Menu.
```

At last, no. of Matches left is **1**
and
Computer Wins the Game !!

```
                    TIC-TAC-TOE


Play Tic-Tac-Toe, conquer any column, diagonal or row !

Player 1 (X)  -  Player 2 (O)


    |   |
  1 | 2 | 3
 ___|___|___
    |   |
  4 | 5 | 6
 ___|___|___
    |   |
  7 | 8 | 9
    |   |

Player 1, enter a number:  5
```
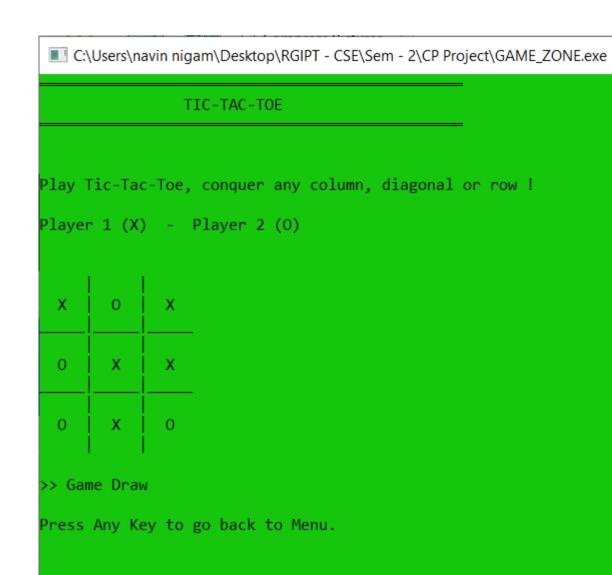
User Selected Game – 2
Tic-Tac-Toe

This is a Multiplayer Game

```
              TIC-TAC-TOE


Play Tic-Tac-Toe, conquer any column, diagonal or row !

Player 1 (X)  -  Player 2 (O)


     |   |
  X  | O | X
 ____|___|____
     |   |
  O  | X | X
 ____|___|____
     |   |
  O  | X | O
     |   |

>> Game Draw

Press Any Key to go back to Menu.
```

Game **DRAW**

```
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=============================================
            SNAKE & LADDER
=============================================


 Watch out every move you make, keep away from the snake!
 Search for the ladder to reach the goal faster!
=================================================================


Player 1 Enter your tag
VIJEET
Player 2 Enter your tag
MANISH
Player 3 Enter your tag
AAKASH
Player 4 Enter your tag
SAHIL
Snakes: | 25 to 3  | 56 to 48 | 59 to 1  | 69 to 32 | 83 to 57 | 91 to 73 | 94 to 26 | 99 to 80 |
Ladder: | 4 to 14  | 9 to 31 | 20 to 38  | 28 to 84 | 36 to 44 | 42 to 63 | 51 to 67 | 62 to 81 | 71 to 90 |
Choose your option
[1] Player 1 plays      [2] Player 2 plays      [3] Player 3 plays      [4] Player 4 plays
1
```

User Selected Game – 3
Snake & Ladder

User enters the tag and starts playing :D

```
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                SNAKE & LADDER


100      99      98      97      96      95      94      93      92      91

81       82      83      84      85      86      87      88      89      90

80       79      78      77      76      75      74      73      72      71

61       62      63      64      65      66      67      68      69      70

60       59      58      57      56      55      54      53      52      51

41       42      43      44      45      46      47      48      49      50

40       39      38      37      36      35      34      33      32      31

21       22      23      24      25      26      27      28      29      30

20       19      18      17      16      15      14      13      12      11

VIJEET   2       3       4       5       6       7       8       9       10


                              Dice = 1


Player 2 position is 0

Player 3 position is 0

Player 4 position is 0

Snakes: | 25 to 3  | 56 to 48 | 59 to 1  | 69 to 32 | 83 to 57 | 91 to 73 | 94 to 26 | 99 to 80 |
Ladder: | 4 to 14  | 9 to 31  | 20 to 38 | 28 to 84 | 36 to 44 | 42 to 63 | 51 to 67 | 62 to 81 | 71 to 90 |
Choose your option
[1] Player 1 plays      [2] Player 2 plays      [3] Player 3 plays      [4] Player 4 plays
1
```

Player 1 Rolls the Dice & gets **1**

Note
Positioning of Snakes & Ladders is Displayed

```
                        SNAKE & LADDER
_____

100      99      98      97      96      95      94      93      92      91

81       82      83      84      85      86      87      88      89      90

80       79      78      77      76      75      74      73      72      71

61       62      63      64      65      66      67      68      69      70

60       59      58      57      56      55      54      53      52      51

41       42      43      44      45      46      47      48      49      50

40       39      38      37      36      35      34      33      32      31

21       22      23      24      25      26      27      28      29      30

20       19      18      17      16      15      14      13      12      11

1        2       L       4       5       6       7       8       9       10

_____
                        Dice = 6
_____

Oops! you stepped on Snake.
>> From 25 to 3
```

Oops ! You Stepped on Snake
From 25 to 3

```
========================================================
                SNAKE & LADDER
========================================================

100     99      98      97      96      95      94      93      92      91

81      82      83      84      85      86      87      88      89      90

80      79      78      77      76      75      74      73      72      71

61      62      63      64      65      66      67      68      69      70

60      59      58      57      56      55      54      53      52      51

41      42      43      44      45      46      47      48      49      50

40      39      38      37      36      35      34      33      32      L

21      22      23      24      25      26      27      28      29      30

20      19      18      17      16      15      14      13      12      11

1       2       3       4       5       6       7       8       9       10

========================================================
                    Dice = 6
========================================================

Hurray!! you found a ladder.
>> From 9 to 31
```

Hurray !! You Found a Ladder.
From 9 to 31

```
                    SNAKE & LADDER


100      99      98      97      96      95      94      93      92      91

81       82      83      84      85      86      87      88      89      90

80       79      78      77      76      75      74      73      72      71

61       62      63      64      65      66      67      68      69      70

60       59      58      57      56      55      54      53      52      51

41       42      43      44      45      46      47      48      49      50

40       39      SAHIL   37      36      35      34      33      32      31

21       22      23      24      25      26      27      28      29      30

20       19      18      17      16      15      14      13      12      11

1        2       3       4       5       6       7       8       9       10


                    Dice = 5


Player 1 position is 14

Player 2 position is 46

Player 3 position is 31

Player 4 position is 38

Snakes: | 25 to 3  | 56 to 48 | 59 to 1  | 69 to 32 | 83 to 57 | 91 to 73 | 94 to 26 | 99 to 80 |
Ladder: | 4 to 14  | 9 to 31  | 20 to 38 | 28 to 84 | 36 to 44 | 42 to 63 | 51 to 67 | 62 to 81 | 71 to 90 |
Choose your option
[1] Player 1 plays     [2] Player 2 plays     [3] Player 3 plays     [4] Player 4 plays
```
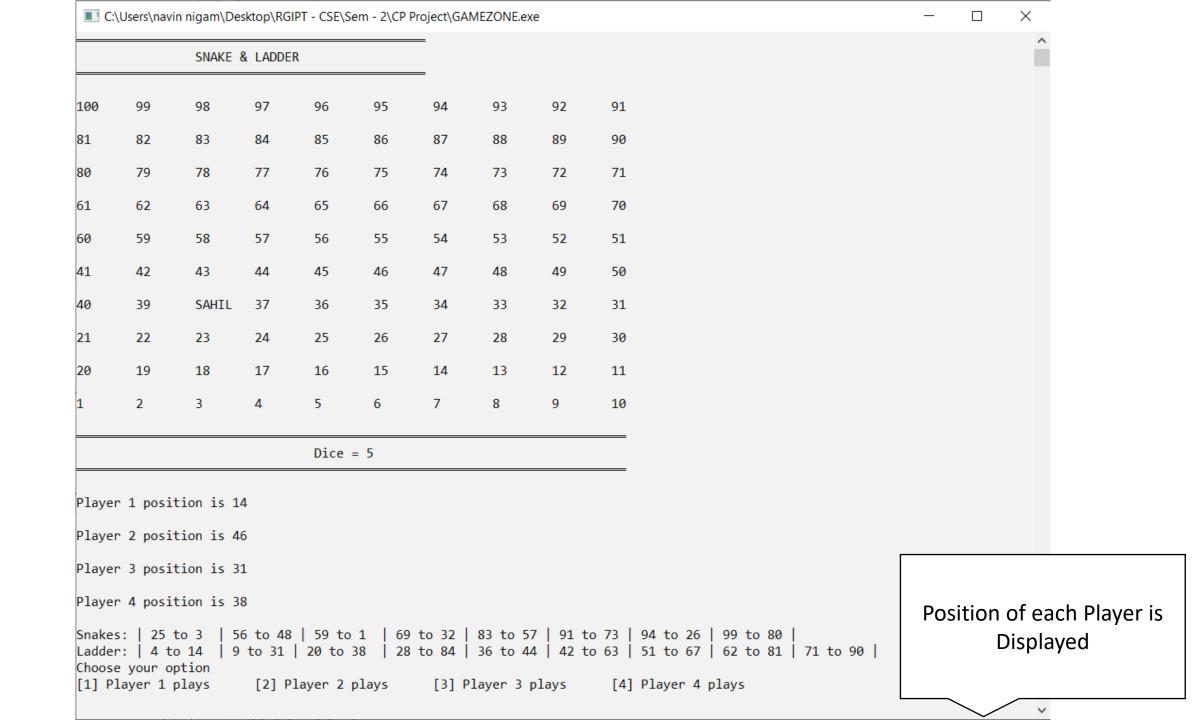
Position of each Player is Displayed

```
                    SNAKE  &  LADDER
═══════════════════════════════════════════════════════════════

100     99      98      97      96      SAHIL   94      93      92      91

81      82      83      84      85      86      87      88      89      90

80      79      78      77      76      75      74      73      72      71

61      62      63      64      65      66      67      68      69      70

60      59      58      57      56      55      54      53      52      51

41      42      43      44      45      46      47      48      49      50

40      39      38      37      36      35      34      33      32      31

21      22      23      24      25      26      27      28      29      30

20      19      18      17      16      15      14      13      12      11

1       2       3       4       5       6       7       8       9       10

─────────────────────────────────────────────────────────────
                        Dice = 6
═══════════════════════════════════════════════════════════════

Hmmm... Can't Exceed 100 !!
Try Again
```

Try Again !!

```
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>> Player 3 won!

Press Any Key to go back to Menu.
_____

Player 1 position is 48

Player 2 position is 11

Player 4 position is 3
```

Player 3 **WON** !!!

```
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        Welcome to the GAME_ZONE !!!



    _____
    ||              Choose a game                ||
    ||              _____                  ||
    ||                                            ||
    ||      Press [1] to Play 21 Matchsticks      ||
    ||      Press [2] to Play Tic-Tac-Toe         ||
    ||      Press [3] to Play Snake & Ladder      ||
    _____

5



Invaid Input !! Please Select from either 1 or 2 or 3
```

Invalid Input !!