TASK 12: use the Tkinter module for Ul; design (15/10/10) AIM: To design l'implement a simple Maze Game using Python's Pygame library, where player navigates a Square through a maze to reach Election - Fill (E. 1817E) Algorithm: Step 2: import l'équire d'imodules !! import pygame for game development functions. Step 3: inditialize Pygame wing Prygame. init() Stap 4: Setup the game 1 window 1949 1 Define screen width be height create the display suitace wing Pygame. diplay.

set_mode (). Stept. Define Colours wing RGB values for white black, blue, green, and red.

Step 6: Create Player

State at (50,50) - Goal placed at (550, 350) Create mare wall.

Befine a list of rectangular wall obstacles Step 8 = Define a function theck - Collision (rect, walls): · check if Player's rectangle Collides · Petur True if a collins occurs.

```
ort' lo lindagi
Program:
     mport pygame
     importeys
                                     Do notes : Louis
     Pygame. int()
    WIDTH, HEIGHT = 600, 400
    Screen = Pygame, display. set_mode ((wIDT.H, HEIGHT)):
   Pygame. display. set-Caption ("Mare Game")
                                    NOOT . S : Steers &
   WHITE = (217, 211, 211)
   BLACK = (0,0,0)
                               ixost recorrer toffic
   BLUE = (0,0,200)
                                   pollimous raro 1
   GREEN = (0,200,0)
                                    Mone: John
     RED = (200,0,0)
                                    oes oph
   Clock = Pygame. time. clock()
                                   1357.2 : 37 wa)
  Player = Pygame. Rect (50,50, Player - Size, Player - Size)
- # Goal setup
    gool = Pygame. Rect (500,350, Player _ Size, Player_Size)
  wall = [
      Py. game. Rect (100,0,20,300),
                                       mouse to the
     - Py. game. Rect (200, 100, 20, 300),
                                      ons tigo
Py. 9 ame Rect (300, 0/20, 200),
                                       While I'm g
 Py. game Rect (400/150,20, 200),
   Py. game Pect (100,0,20,200),
```

Dukon motorli ille galle

det check-Collision (rect, wall): for wall in walls: for wall in wall.

if weet. Colliderect (wall): a solopivan en return True, posti smooth in the return False turning = True while running and only sureen. fill (WHITE) for event in Pygone. event.get(): if event type = + Pygame, QUIT: running = Falle Keys: Pygame. Key. get - Pressed () more - X more - 4 FG, O with soil like the if keys [pygame. K_LEFT]: move -x = 13 100 1000 300 300 500 . if Keys [pygame.k_left.]: move _ x = -3 . () show 132 if keys [Pygane. k_ RIGHT].

move _ X = 3 if keys [py game. k_up]: move_y = -3

if Keys [Pygame - K - Down7:

move = y = 3 Py game display flip() Clock. tick (30) lesson des monthy game: Swift (): tombe of without of the while systemit () inquality is touto. rando constant a formant.

· Draw Walls (black), goal (green) ond player (blue).
Step 11: update display wring Pygame. display. flip () and maintain frame rate with clock. tick (30
step12. Ent game using Paygone. quit () and sys.
exit()
Step 13. End the Fragram
Sample output/game Des Cription:
The window displays a mare made of black walls
- hue study to the
The green square represents the goal. The Player moves using Arrow keys.
·
· Left
· -> Right
· if Plager touches a wall, the moves is undone . when, the Player reaches the good, message you . when, the Player reaches the good, message you
win appears for 2 seconds , and game enits. VELTECH
PLEFORMANCE (5)
N.VA VOCE (5)
SIGN WITH DATE
RESULT: Hence, the Tkinter, module for Ul design has been
Enechted Succentully

Step 10. gaine

objects