

Task - 12

Start simulate growing concept using pygame

- Algorithm:
1. Import pygame package and initialize it
 2. Define the window's size and title
 3. create a snake class which initialize the snake position and movement
 4. create a fruit class
 5. create a function to check if the snake collides
 6. create a function to check if snake collides with window.

Program:

importing libraries

import pygame

import time

import time

import random

Snake - speed = 15

window size

window - x = 720

window - y = 480

defining colors

black = pygame.color (0, 0, 0)

white = pygame.color (255, 255, 255)

red = pygame.color (255, 0, 0)

green = pygame.color (0, 255, 0)

output
score = 0

blue = pygame.Color(0, 0, 255)

initializing pygame

pygame.init()

initialize game window

pygame.display.set_caption("greek of greek snakes")

FPS (frames per second)

FPS = pygame.time.Clock()

defining snake default position

snake_position = [100, 50]

~~##~~ defining first

[90, 50]

✓ [80, 50]

[70, 50]

fruit position

fruit_position = [random.randrange(1, 10)]

Aim: write a python program to develop of a chess board using pygame.

Algorithm:

1. Import pygame and initialize it
2. set screen size and title
3. Open color for the board the pieces
4. Define a function to draw the pieces on board by loading images
5. Draw the board and pieces on the screen

Program:

import pygame

initialize pygame

pygame.init()

set screen size and title

screen - size = (640, 640)

screen = pygame - display.set

pygame display.set - caption ('chess board')

Define colors.

black = (0, 0, 0)

white = (255, 255, 255)

brown = (133, 26, 0)

Define function

parameter range (8):

square - colour =

square - rect =

defa

output:

	x		x		x	
x		x		x		x
	x		x		x	
x		x		x		x
	x		x		x	
x		x		x		x
	x		x		x	

completed

Result : 0

def draw - pieces (board)

pieces - images = 1 3

for row in range (8)

for col in range (8):

piece = board (row) [col]

if piece != '':

piece - image = piece - images [pieces]

pieces - rect = pygame - Rect
screen . blit .

* Define initial state of board.

board = ['r', 'n', 'b', 'q', 'K', 'b', 'n', 'x']

* Draw board and pieces.

draw - pieces (board)

* Start game loop
white true .

pygame - type . quit ()

pygame . quit ()

quit ()

pygame . display . update ()

VELTECH	
EX No.	12
PERFORMANCE (%)	5
RESULT AND ANALYSIS (%)	5
VIVA VOCE (%)	
RECORD (4)	
TOTAL (15)	
SIGN WITH DATE	

Alt : Thus the program for the pygame is created
and verified successfully .