

The program sets up a Turtle screen, creates a turtle pen, and allows users to control the pen's movement using the keyboard.

1. Initialization:

- Import necessary libraries (`turtle`, `sys`, `keyboard`).
- Define constants for the default screen width and height.

2. Screen Setup:

- Set up the Turtle screen with the specified or default width and height.
- Set the background color to white.

3. Pen Setup:

- Create a turtle pen with specific attributes (shape, color, speed).
- Move the pen to the starting position and set its initial direction.

4. Pen Movement:

- Create a function `move_pen` to move the pen continuously in the direction it is facing.
- Check if the pen is moving, and if so, move it forward by a fixed amount (10 units).
- Check if the pen hits the window boundaries and teleport it to the opposite side if necessary.
- Use `turtle.ontimer` to call `move_pen` every 10 milliseconds.

5. Keyboard Input Handling:

- Create a function `handle_key_event` to respond to keyboard events.
- If a key is pressed (`keyboard.KEY_DOWN`), check for specific keys:
 - Toggle pen up/down with 'p'.
 - Change pen direction with 'w' (up), 's' (down), 'a' (left), 'd' (right).
 - Exit the program with 'q'.

6. Teleport Function:

- Create a function `teleport` to move the pen to a specific position.

7. Keyboard Bindings:

- Use the `keyboard` module to bind the `handle_key_event` function to keyboard events.

8. Start Pen Movement Loop:

- Start the continuous pen movement loop (`move_pen`).

9. Keep the Program Running:

- Start the Turtle main loop (`turtle.mainloop()`) to keep the program running.