Seating Chart Plane Ethics

1. Create a 2D list to represent seating chart of the plane (create_plane)
2. Calculate number of tickets sold for economy seats (get_number_economy_sold)
3. Calculate the number of available seats traversing through every seat (get_avail_seats)
4. Calculate the total number of seats in a plane (get_total_seats)
5. Generate a seating chart in a user-friendly printable format (get_plane_string)
6. Purchase of economy plus seats - If seats are available, assign window seats from both side (randomly) to name of the client (purchase_economy_plus)
7. Look for available economy seat – randomly (seat_economy) -OPTIMIZE BY TRAVERSING ALL ITEMS
8. Purchase block of economy seats – if requested number of seats is available, assign the block of seats to the name of purchaser (seat_economy)
9. Fill the plane with seats (fill_plane)