COMP101 - PSEUDOCODE ASSIGNMENT 07

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# Constants: PROGRAMME_COST, ROWS, COLUMNS
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# Utility Functions
Define:
    lineSeparator -> Print "="
    printCenteredText(text) -> Print text centered
    printTitle(title) -> Print centered with separator
    getBreakEvenPoint(cost, revenue) -> Return ceil(cost /revenue)
    getInputs -> Return production_cost, price_seat_A, price_seat_B
    displayMap(map) -> Print rows, row totals, and overall total
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# Booking and Programmes
Define:
    getProgrammeStatus(map, status) ->
        If status is 'full': Generate random programmes_map
        Else: programmes_map = map
        Return programmes_map, total purchased
    getSeatsStatus(status) ->
        Create seating_map based on status ('full' = all booked, 'partial' = random)
        Generate programmes_map
        DISPLAY maps
        Return seating_map, programmes_map, programmes_purchased
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# Revenue Calculation
Define:
    showRevenueReport(seating_map, programmes_map, prices, purchased, cost) ->
        CALCULATE revenue for seats (A & B) and programmes
        DISPLAY totals, break-even points, and reports
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# Main Logic
main():
    GET production_cost, prices (A & B)
    FOR status in ['full', 'partial']:
        GET seating_map, programmes_map, programmes_purchased
        Generate and display revenue report
```