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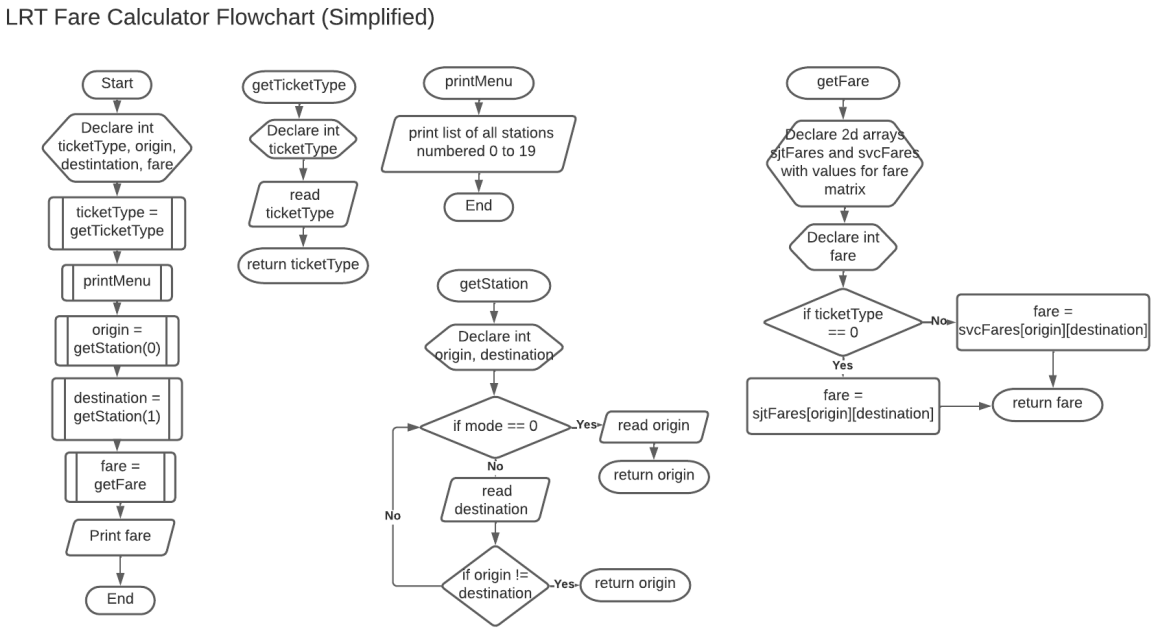
C131



Algorithm:
Step 1: Declare integer variables: ticketType, origin, destination, fare.
Step 2: Set ticketType using the getTicketType function.
Step 3: Within the ticketType function, declare integer ticketType.
Step 4: Read ticketType.
Step 5: return the ticketType variable back to the main function.
Step 6: print the menu containing stations using the printMenu function.
Step 7: Set origin using the getStation(0) function.
Step 8: Within the getStation function, declare integer origin, destination.
Step 9. Read and return origin.
Step 10: Set destination using the getStation(1) function.
Step 11: Read destination.
Step 12: if origin is not equal to destination, return origin, otherwise loop back.
Step 13: Set fare using the getFare function.
Step 14: Within the getFare function, declare two 2d arrays named sjtFares and svcFares containing the fare matrix for each.
Step 15: Declare integer fare.
Step 16: If ticket type is equal to 0, set fare to sjtFares[origin][destination], otherwise set fare to svcFares[origin][destination].
Step 17: Return fare back to the main function.
Step 18: Print fare