

H CS 2019 Task 1 Part C

Extension Questions

- For each of the following questions write and test the SQL required to create the described output.
- The questions involve calculations, wildcards and aggregate functions (AVG, SUM, MIN, MAX, and COUNT).
- Make sure you create aliases where appropriate.
- Copy and paste your code into the space provided.

Questions

1d(i) Display the total number of adult tickets, purchased by passengers living in postcode area EH.

(4 marks)

1d(ii) Display the total number of passengers whose flights departed in April 2018.

(5 marks)

1d(iii) Display the average capacity of all the flights that departed from any airport with a code ending with "N".

(4 marks)

1d(iv) Display the number of customer bookings by town. This should be limited to flights that arrived at London Heathrow (LHR) in 2018.

(6 marks)

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1d(v) Customer Grant Reid has purchased an extra travel bag for every adult and child costing £15 each. Display the total amount this customer has spent on bags.

(5 marks)

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1d(vi) Flight A131T531Y47 charged the following for ticket fares: adult £55, child £40, concession £30. Calculate and display each customer's name and the total fares paid by each customer on this flight.

(6 marks)

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- 1d(vii) Airport tax is charged at £7.50 for an adult and £5.00 for a child. Display the forename and surname of passengers along with the difference between the total airport tax of the adult tickets purchased and the total airport tax of the child tickets purchased. The output should be limited to flights that had one stop at AMS (Amsterdam) between the departure airport and the arrival airport.

(6 marks)