

Computing

Lesson 6: Databases in Real Life

Flat-File Databases

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¹ Materials from the Teach Computing Curriculum created by the National Centre for Computing Education



Task 1 - Find a flight

Use the flight-finder database to look for a flight that meets these conditions:

- Flying from Manchester to New York on 1st December
- Return flights from New York to Manchester on 15th December

Find the **cheapest** flight and note down:

- Times:
- Airline:
- Price:
- Duration:



Task 1 - Find a flight

Search again to find the **quickest** (shortest flight) that meets these conditions:

- Flying from Manchester to New York on 1st December
- Return flights from New York to Manchester on 15th December

Note down:

- Times:
- Airline:
- Price:
- Duration:



Task 1 - Find a flight

- Flying from Manchester to New York on 1st December
- Return flights from New York to Manchester on 15th December

Find out:

- Is it possible to find a direct flight that departs from Manchester in the morning? Use the 'stops' and 'departure time' filters.
- Flight cost for arriving in New York in the morning
- Flight cost for arriving in New York in the evening



Task 2 - Refining a Search

- Flying from Manchester to New York on 1st December
- Return flights from New York to Manchester on 15th December

Find flights to fit these three scenarios.

- A direct flight
- A flight with two stops
- The flight that arrives earliest in the morning

Make notes on these three scenarios, including details of price, airline, and flight duration.



Task 3 - Presenting Information

You work in a travel agent and want to share what you've found with a customer. Create a word processed document or slides with:

- The three flights to fit the different scenarios
- Include a preferred option and explain your reasons
- Use screenshots from the flight-finder website

