

Interview Questions

London Tube

Given a list of London Tube stations and lines, write an application to answer the following question: What stations are N stops from East Ham? For stations with multiple routes include the station only if the minimum number of stops = N. Print out the results in alphabetical order.

For example, if N = 5, the complete answer would be:

- Bow Road
- Dagenham East
- East India
- Hackney Wick
- Leyton
- Leyton Midland Road
- Mile End
- North Greenwich
- Pudding Mill Lane
- Royal Victoria
- Stratford High Street
- Stratford International
- West Silvertown

For example, Canning Town from East Ham is possible with 4 or 5 stops, but we only consider it a valid answer for 4 stops, not 5, since we only consider the minimum number of stops.

You may use any language and tools to write your application but please use [GitHub.com](https://github.com) to store your code.

Resources

- London Tube Map: <https://tfl.gov.uk/cdn/static/cms/images/tube-map.gif>
- List of Tube stations: see attached file [lines.csv](#)