Technical Interview Questions

Question 1 - 30 minutes
From an integer X representing the duration in seconds, produce a simplified string representation.
For example, given:
100
Your output should be:
"1m40s"

Use the following abbreviations w,d,h,m,s to represent:
1w is 1 week
1d is 1 day
1h is 1 hour
1m is 1 minute
1s is 1 second

Only the two largest non-zero units should be used. Round up the second unit if necessary so that the outputs even though this might mean the output is slightly larger than X seconds.

Write a function (using typescript):

(a:number) :string => {};

Where, given an integer X, returns a string representing the duration.

Examples
Given
1. X = 100 returns "1m40s"
2. X = 7263 returns "2h2m". (7263 returns "2h1m3s" but it uses too many units, so we round the second largest unit up to "2h2m")
3. X = 5 returns "5s"
4. X = 3600 returns "1h"

Question 2 - 1 hour
Design a simple UI for a forum for questions and answers using SvelteKit, Tailwindcss and typescript.
Build your Forum, implementing designs similar to the following design:
https://dribbble.com/shots/4718460-PilkadaHub-Apps
Your UI should have
1. A navigation
2. A welcome Screen

Your forum should allow users ask questions and answer questions
Your design should be responsive, implementing a mobile-first design approach

Question 3 - 15 minutes
–Soft Tech questions

1. What is your most fluent programming language?
2. What has been the most challenging thing you've implemented programmatically?
   a. How did you solve the challenge?
3. Have you ever worked with a team?
   a. What project was it?
   b. What was your role in the project?
4. Do you have any solo projects?
   a. Or product you've worked on with a team that's available to the public?
5. Have you come across any challenge in code you couldn't solve?
   a. What was the challenge?