All students browse, skim, or lightly read Chapters 1–2 of the textbook to determine the answers to relevant questions as well as preparation for coming lectures.

Distribute the following questions across the members of your group. You will share your solutions (and most importantly the *method* of your solutions) during the next lecture period. Divide up the questions so that **each** question has at least two solutions from different group members.

1. (a) Who was Grace Hopper? When and how did she earn her (impressive) CS credentials?

   (b) What is the difference between **syntax** and **semantics**?

   What are **runtime semantics**?

   (c) What is the difference between a **compiler** and an **interpretter**?

2. Page 26, question 3
3. Page 27, question 5
4. Find three programming languages (old or new languages, you can use that Google thing) whose compiler simply **translates** to source code in a different language. For each language cite:

   i. Its name, primary project website (if there is one), and age

   ii. Three features it provides that its **target** language does not,

   iii. Either three software applications or projects that **use** the language, or be very confident there **are not** three.

5. Page 28, question 8