

1.
 - (a) Name the two parts of a compiler's front end.
 - (b) Name the two parts of a compiler's back end.
 - (c) What are the two outputs of the front end?

2. Intermediate representations (IRs) often look like simplified machine languages. Give two reasons why compilers use IRs internally instead of machine language:

3. Name four of the items in an activation record.

4. Stop-and-copy garbage collection is much more popular than mark-and-sweep. Explain why.