Assignment Semantics

- Assignment semantics of C and Java
  - In control flow statement, C treats assignment as expression, while Java does not.
- Copy semantics vs. Reference semantics

Conditional Semantics

- The meaning of a conditional depends on the meaning of the expression.
  - If the expression is true, the meaning of the conditional is the meaning of the then branch.
  - If the expression is false, the meaning of the conditional is the meaning of the else branch.

Block Semantics

- The meaning of a block is that
  - If the set is empty, the block has no statement. So the meaning of the program is not changed by the block.
  - Otherwise, the meaning of the block is the aggregated results of all statements in the block.