General

- **TAs:** A submission that does not contain files about this exam (e.g., the student submitted solution to a homework), or one that only includes the starter code, do not meet any of the specifications of this rubric (under any of the "required," "satisfactory," or "complete" categories). In such a case, please check this item to flag the submission and immediately inform the instructor.

- **TAs:** A submission where the starter code is modified in ways that were not allowed or one that employs Java's built-in data structures (other than those permitted), or data structures that are not yet covered in this course will not meet any of the specifications related to the question affected by this folly.

Required

1. **Spec:** At least two True/false answers are correct.
2. **Spec:** At least two MCQ answers are correct.
3. **Spec:** For Question-3 (short answer), the resulting AVL tree is almost correct.
   TAs: This specification is met if the rotations are correct but the print is not. Or the print is correct but one rotation is not. In any other case, this specification is not met!
4. **Spec:** For Question-4 (swim), the code encompasses a reasonable attempt at implementation.
   TAs: This specification is met even if the code contains syntax or minor logical errors.
5. **Spec:** The submission exhibits good practices for writing readable code (e.g., consistent indentation, descriptive naming, etc.), and good programming style (e.g., code is organized in a modular fashion, methods are not too long, helper methods/classes are made private, etc.)
   TAs: You may use the output of Checkstyle, but take into account, the student is writing the code in a limited time, under the pressure of an exam.

Satisfactory

1. **Spec:** Among all True/false and MCQs, at most three are incorrect.
2. **Spec:** For Question-3 (short answer), the resulting AVL tree is correct.
   TAs: This specification is not met if there is any issues with the print or rotations, including if one is missing!
3. **Spec:** For Question-4 (swim), the implementation is correct.
   TAs: This specification is most likely met if the corresponding auto-tests are passed. However, please ensure to check the code.

4. **Spec:** For Question-5 (BST.isValid), the code encompasses a reasonable attempt at implementation.
   TAs: This specification is met even if the code contains syntax or minor logical errors.

Complete

1. **Spec:** Among all True/false and MCQs, at most one is incorrect..

2. **Spec:** For Question-5 (BST.isValid), the implementation is correct.
   TAs: This specification is most likely met if the corresponding auto-tests are passed. However, please ensure to check the code.

3. **Spec:** For Question-4 & 5 (implementations), the code showcases a efficient and performant implmenetations.
   TAs: This specification is not met if the a solution is incorrect.