(340) Java Programming (S | PS)

Description

Evaluate knowledge of working with structured designs, algorithms, and OOP methodology using the Java Programming language. This contest will be graded on the Windows operating system; therefore, Unix/Linux should *not* be used.

This contest will be graded on the Windows operating system; therefore Unix/Linux should *not* be used. *This event includes a separate certification component which will be offered in conjunction with the BPA event at NLC; all members passing this component will receive an industry certification regardless of their overall event placement.* The certification offered will be IT Specialist – Java and upon passing the exam, members will be awarded 100 points to their final score. All persons planning to take a certification test MUST register with Certiport (www.certiport.com) before attending NLC to create their Certiport profile. Members must include their BPA member ID in their Certiport profile when they register online. For more information on the exam, visit: http://www.certiport.com

Eligibility

Any Secondary or Post-secondary division student member may enter this event.

Member must supply

Computer or laptop/notebook; a full-size keyboard may be used (no printer is needed)
Carry-in and set-up of equipment must be done solely by the member
Member must bring all supporting devices and software appropriate for the event (e.g., extension cords, power supply, IDE, paper, etc.)
Published and/or unpublished non-electronic written reference materials
Only pre-written code that is hard copied is allowed.

Business Professionals of America assumes no responsibility for hardware/software provided by the member. No equipment, supplies, or materials other than those specified for an event will be allowed in the testing area. No previous Business Professionals of America tests and/or sample tests or facsimiles thereof (handwritten, photocopied, or keyed) may be taken into the testing area. Violation of this rule will result in disqualification.

Competencies

- Demonstrate knowledge of Java computer language, concepts and syntax
- Use structured design techniques and object-oriented concepts
- Apply programming concepts such as classes, operators, loops, control breaks, sequential file access, data structures, error handling, and I/O operations
- Understand and implement UML diagrams
- Demonstrate knowledge of error handling techniques

This event is sponsored by:

Method of evaluation

Application
Certification test taken per conference schedule at NLC

ORACLE ACADEMY

Length of event

No more than ten (10) minutes orientation, ninety (90) minutes testing time, ten (10) minutes wrap-up
No more than one hundred twenty (120) minutes for certification test.

Entries

Each state is allowed five (5) entries