Import Settings:

Base Settings: Brownstone Default

Information Field: Complexity

Information Field: Ahead

Information Field: Subject

Information Field: Title

Highest Answer Letter: D

Multiple Keywords in Same Paragraph: No

NAS ISBN13: 9781284093674, add to Ahead, Title tags

**Chapter: Chapter 11 – Practice Activities**

**Multiple Choice**

1. To sort an array of objects, you need to define a comparison function. The comparison function:

A) uses lexicographical ordering to perform the sort operation.

B) uses standard numerical ordering to perform the sort operation.

C) receives two elements from the array and returns a negative number, zero, or a positive number.

D) receives two elements from the array and returns true if the two elements should be swapped.

Ans: C

Complexity: Moderate

Ahead: Arrays of Objects

Subject: Chapter 11

Title: Object-Oriented Programming and Arrays

2. If you would like to sort an array of date values, you should do which of the following?

A) Store the dates as strings because strings can be sorted more effectively than Date objects.

B) Store the dates as Date objects because Date objects can be sorted more effectively than strings.

C) Write an algorithm that parses date strings into their month, day, and year parts.

Ans: B

Complexity: Moderate

Ahead: Book Club Web Page

Subject: Chapter 11

Title: Object-Oriented Programming and Arrays

3. The switch statement is most similar to which of the following?

A) “if by itself” form of the if statement

B) “if, else if ” form of the if statement

C) while loop

D) do loop

Ans: B

Complexity: Moderate

Ahead: switch Statement

Subject: Chapter 11

Title: Object-Oriented Programming and Arrays

4. Suppose you have a subclass Truck, a superclass Vehicle, and a property in Vehicle named year. How can a method in Truck access the year property?

A) year

B) this.year

C) super.year

D) Vehicle.year

Ans: B

Complexity: Moderate

Ahead: Inheritance Between Classes

Subject: Chapter 11

Title: Object-Oriented Programming and Arrays

**True/False**

1. True or False? When a function is called by another function (as opposed to when a function is called by an event handler attribute like onclick), the called function is known as a helper function.

Ans: True

Complexity: Moderate

Ahead: Book Club Web Page

Subject: Chapter 11

Title: Object-Oriented Programming and Arrays

2. True or False? Legacy code is code that has improved over time to the point where it is now considered an exemplar of what good code should look like.

Ans: False

Complexity: Moderate

Ahead: Using Prototypes to Emulate a Class

Subject: Chapter 11

Title: Object-Oriented Programming and Arrays

**Short Answer**

1. The \_\_\_\_\_\_ method searches for a specified value within the calling object array’s elements. It returns the index of the first element that holds the value.

Ans: indexOf

Complexity: Moderate

Ahead: Arrays

Subject: Chapter 11

Title: Object-Oriented Programming and Arrays

2. For the switch statement, if you need to do something special when there are no case constants that match the controlling expression’s value, then you should use the keyword \_\_\_\_\_\_ at the bottom of the switch statement to handle that situation.

Ans: default

Complexity: Moderate

Ahead: switch Statement

Subject: Chapter 11

Title: Object-Oriented Programming and Arrays

3. To implement a subclass, you need to append the keyword \_\_\_\_\_\_ and then the superclass name to the end of the subclass’s heading.

Ans: extends

Complexity: Moderate

Ahead: Inheritance Between Classes

Subject: Chapter 11

Title: Object-Oriented Programming and Arrays

4. UML stands for Unified \_\_\_\_\_\_\_\_\_\_ Language.

Ans: Modeling

Complexity: Moderate

Ahead: Inheritance Between Classes

Subject: Chapter 11

Title: Object-Oriented Programming and Arrays