1Z0-813

Upgrade to Java SE 8 OCP (Java SE 6 and all prior versions)

Exam Summary – Syllabus – Questions

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Introduction to 1Z0-813 Exam on Upgrade to Java SE 8 OCP (Java SE 6 and all prior versions)

You can use this exam guide to collect all the information about Upgrade to Java SE 8 OCP (Java SE 6 and all prior versions) (1Z0-813) certification. The Oracle 1Z0-813 certification is mainly targeted to those candidates who has some experience or exposure of Java and want to flourish their career with Oracle Certified Professional Java SE 8 Programmer (OCP) credential. The Upgrade to Java SE 8 OCP (Java SE 6 and all prior versions) certification exam validates your understanding of the Java technology and sets the stage for your future progression. Your preparation plan for Oracle 1Z0-813 Certification exam should include hands-on practice or on-the-job experience performing the tasks described in following Certification Exam Topics table.

Oracle 1Z0-813 Certification Details:

Exam Name	Upgrade to Java SE 8 OCP (Java SE 6 and all prior versions)
Exam Code	1Z0-813
Exam Product Version	Java SE
Exam Price	USD $245 (Pricing may vary by country or by localized currency)
Duration	130 minutes
Number of Questions	60
Passing Score	63%
Validated Against	This exam is validated against Java SE 8.
Format	Multiple Choice
Recommended Training	Java SE 7 New Features Java SE 8 New Features
Schedule Exam	Pearson VUE - Oracle
Recommended Practice	**1Z0-813 Online Practice Exam**

Oracle 1Z0-813 Exam Syllabus:

Language Enhancements	- Develop code that uses String objects in the switch statement, binary literals, and numeric literals, including underscores in literals - Develop code that uses try-with-resources statements, including using classes that implement the Auto Closeable

	interface - Develop code that handles multiple Exception types in a single catch block - Use static and default methods of an interface including inheritance rules for a default method
Concurrency	- Use classes from the java.util.concurrent package including CyclicBarrier and CopyOnWriteArrayList with a focus on the advantages over and differences from the traditional java.util collections - Use Lock, ReadWriteLock, and ReentrantLock classes in the java.util.concurrent.locks and java.util.concurrent.atomic packages to support lock-free thread-safe programming on single variables - Use Executor, ExecutorService, Executors, Callable, and Future to execute tasks using thread pools - Use the parallel Fork/Join Framework
Localization	- Describe the advantages of localizing an application and developing code that defines, reads, and sets the locale with a Locale object - Build a resource bundle for a locale and call a resource bundle from an application - Create and manage date- and time-based events by using LocalDate, LocalTime, LocalDateTime, Instant, Period, and Duration, including a combination of date and time in a single object - Format dates, numbers, and currency values for localization with the NumberFormat and DateFormat classes, including number and date format patterns - Work with dates and times across time zones and manage changes resulting from daylight savings
Java File I/O (NIO.2)	- Operate on file and directory paths by using the Paths class - Check, delete, copy, or move a file or directory by using the Files class - Recursively access a directory tree by using the DirectoryStream and FileVisitor interfaces - Find a file by using the PathMatcher interface, and use Java SE 8 I/O improvements, including Files.find(), Files.walk(), and lines() methods - Observe the changes in a directory by using the WatchService interface
Lambda	- Define and write functional interfaces and describe the interfaces of the java.util.function package - Describe a lambda expression; refactor the code that uses an anonymous inner class to use a lambda expression; describe type inference and target typing - Develop code that uses the built-in interfaces included in the java.util.function package, such as Function, Consumer, Supplier, UnaryOperator, Predicate, and Optional APIs, including the primitive and binary variations

	of the interfaces - Develop code that uses a method reference, including refactoring a lambda expression to a method reference
Java Collections	- Develop code that uses diamond with generic declarations - Develop code that iterates a collection, filters a collection, and sorts a collection by using lambda expressions - Search for data by using methods, such as findFirst(), findAny(), anyMatch(), allMatch(), and noneMatch() - Perform calculations on Java Streams by using count, max, min, average, and sum methods and save results to a collection by using the collect method and Collector class, including the averagingDouble, groupingBy, joining, partitioningBy methods - Develop code that uses Java SE 8 collection improvements, including the Collection.removeIf(), List.replaceAll(), Map.computeIfAbsent(), and Map.computeIfPresent() methods - Develop code that uses the merge(), flatMap(), and map() methods on Java Streams
Java Streams	- Describe the Stream interface and pipelines; create a stream by using the Arrays.stream() and IntStream.range() methods; identify the lambda operations that are lazy - Develop code that uses parallel streams, including decomposition operation and reduction operation in streams

1Z0-813 Sample Questions:

01. Which of the following is a valid lambda expression?
a) r -> {return 1==2}
b) (q) -> true
c) (x,y) -> {int test; return test>0;}
d) a,b -> true

02. In a stream pipeline, which can return a value other than a Stream?
a) Source
b) Intermediate operation
c) Terminal operation
d) None of the above

03. Which functional interface takes a double value and has a test() method?
a) DoubleConsumer
b) DoublePredicate
c) DoubleUnaryOperator
d) ToDoubleFunction

04. How do you change the value of an instance variable in an immutable class?

a) Call the setter method.
b) Remove the final modifier and set the instance variable directly.
c) Use a method other than Option A or B.
d) You can't.

05. What are some of the properties of using the singleton pattern?
a) Singleton object can be replaced with encapsulated setter method.
b) Requires constructor of singleton class to be private.
c) Singleton object must be named instance.
d) Singleton object may be private or protected.
e) Ensures that there is only one instance of an object in memory.
f) Requires a public static method to retrieve the instance of the singleton.

06. LocalTime.of() has a number of overloads. Which of the following is not one of them?
a) LocalTime.of(int hour, int minute)
b) LocalTime.of(int hour, int minute, int second)
c) LocalTime.of(int hour, int minute, int second, int nanoOfSecond)
d) LocalTime.of(int hour, int minute, int second, int nanoOfSecond, int picoSeconds)

07. When reading file information, what is an advantage of loading a BasicFileAttributeView over a BasicFileAttributes?
a) Allows the hidden attribute to be set
b) Allows the last modified date to be changed
c) All of the file information is read in a single round-trip.
d) There is no advantage.

08. What is a common reason for a stream pipeline not to run?
a) The source doesn't generate any items.
b) There are no intermediate operations.
c) The terminal operation is missing.
d) None of the above

09. Which of the answer choices make sense to implement with a lambda?
a) Comparable interface
b) Comparator interface
c) remove method on a Collection
d) removeAll method on a Collection
e) removeIf method on a Collection

10. How long will the effects of calling Locale.setDefault() be active assuming no other calls to that method are made?
a) Until the end of the method
b) Until the program exits
c) Until the next reboot of the computer
d) None of the above. It persists even past a reboot.

Answers to 1Z0-813 Exam Questions:

QUESTION: 01 Answer: b	QUESTION: 02 Answer: c	QUESTION: 03 Answer: b	QUESTION: 04 Answer: d	QUESTION: 05 Answer: b, e, f
QUESTION: 06 Answer: d	QUESTION: 07 Answer: b	QUESTION: 08 Answer: c	QUESTION: 09 Answer: b, e	QUESTION: 10 Answer: b

Note: If you find any typo or data entry error in these sample questions, we request you to update us by commenting on this page or write an email on feedback@oraclestudy.com