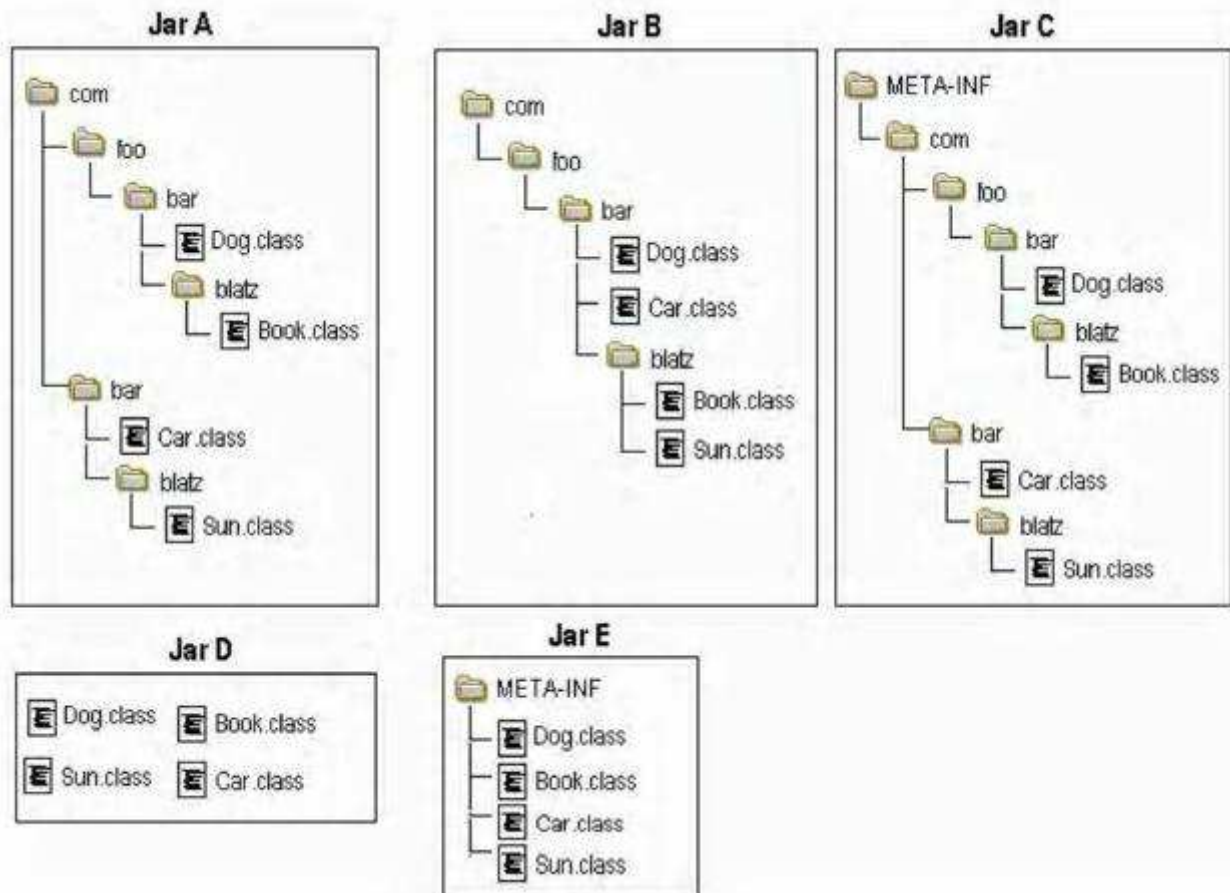


1Z0-851 Oracle Certified Professional, Java SE 6 Programmer

Exam A

QUESTION 1

Given the following JARs:



and given the fully-qualified class names:

com.foo.bar.Dog
com.foo.bar.blatz.Book
com.bar.Car
com.bar.blatz.Sun

Which graph represents the correct directory structure for a JAR file from which those classes can be used by the compiler and JVM?

- A. Jar A
- B. Jar B
- C. Jar C
- D. Jar D
- E. Jar E

Correct Answer: A

QUESTION 2

Place the code elements in order so that the resulting Java source file will compile correctly, resulting in a class called com.sun.cert.AddressBook.

Select and Place:

Source File

Code Element

1st

package com.sun.cert;

2nd

package com.sun.cert.*;

3rd

import java.util.*;

ArrayList entries;
}

import java.*;

public class AddressBook{

public static class AddressBook {

Correct Answer:

Source File

Code Element

1st

package com.sun.cert;

2nd

package com.sun.cert.*;

3rd

import java.util.*;

ArrayList entries;
}

import java.*;

public class AddressBook{

public static class AddressBook {

QUESTION 3

Given the following directory structure:

```
org
|-- Robot.class
|
|-- ex
|   |-- Pet.class
|   |
|   |-- why
|       |-- Dog.class
```

And the following source file:

```
class MyClass {  
    Robot r;  
    Pet p;  
    Dog d;  
}
```

Which statement(s) must be added for the source file to compile? (Choose all that apply.)

- A. package org;
- B. import org.*;
- C. package org.*;
- D. package org.ex;
- E. import org.ex.*;
- F. package org.ex.why;
- G. package org.ex.why.Dog;

Correct Answer: BEF

QUESTION 4

A class games.cards.Poker is correctly defined in the jar file Poker.jar.

A user wants to execute the main method of Poker on a UNIX system using the command:

```
java games.cards.Poker
```

What allows the user to do this?

- A. Put Poker.jar in directory /stuff/java, and set the CLASSPATH to include /stuff/java
- B. Put Poker.jar in directory /stuff/java, and set the CLASSPATH to include /stuff/java/*.jar
- C. Put Poker.jar in directory /stuff/java, and set the CLASSPATH to include /stuff/java/Poker.jar
- D. Put Poker.jar in directory /stuff/java/games/cards, and set the CLASSPATH to include /stuff/java
- E. Put Poker.jar in directory /stuff/java/games/cards, and set the CLASSPATH to include /stuff/java/*.jar
- F. Put Poker.jar in directory /stuff/java/games/cards, and set the CLASSPATH to include /stuff/java/Poker.jar

Correct Answer: C

QUESTION 5

A UNIX user named Bob wants to replace his chess program with a new one, but he is not sure where the old one is installed. Bob is currently able to run a Java chess program starting from his home directory /home/bob using the command:

```
java -classpath /test:/home/bob/downloads/*.jar games.Chess
```

Bob's CLASSPATH is set (at login time) to:

```
/usr/lib:/home/bob/classes:/opt/java/lib:/opt/java/lib/*.jar
```

What is a possible location for the Chess.class file?

- A. /test/Chess.class
- B. /home/bob/Chess.class
- C. /test/games/Chess.class
- D. /usr/lib/games/Chess.class
- E. /home/bob/games/Chess.class
- F. inside jarfile /opt/java/lib/Games.jar (with a correct manifest)
- G. inside jarfile /home/bob/downloads/Games.jar (with a correct manifest)

Correct Answer: C

QUESTION 6

Given:

```
1. package com.company.application;
2.
3. public class MainClass {
4.     public static void main(String[] args) { }
5. }
```

And MainClass exists in the /apps/com/company/application directory.

Assume the CLASSPATH environment variable is set to "." (current directory).

Which two java commands entered at the command line will run MainClass? (Choose two.)

- A. java MainClass if run from the /apps directory
- B. java com.company.application.MainClass if run from the /apps directory
- C. java -classpath /apps com.company.application.MainClass if run from any directory
- D. java -classpath . MainClass if run from the /apps/com/company/application directory
- E. java -classpath /apps/com/company/application:. MainClass if run from the /apps directory
- F. java com.company.application.MainClass if run from the /apps/com/company/application directory

Correct Answer: BC

QUESTION 7

If three versions of MyClass.class exist on a file system:

Version 1 is in /foo/bar

Version 2 is in /foo/bar/baz

Version 3 is in /foo/bar/baz/bing

And the system's classpath includes:

/foo/bar/baz

And this command line is invoked from /foo

```
java -classpath /foo/bar/baz/bing:/foo/bar MyClass
```

Which version will be used by javac?

- A. /foo/MyClass.class
- B. /foo/bar/MyClass.class
- C. /foo/bar/baz/MyClass.class
- D. /foo/bar/baz/bing/MyClass.class
- E. The result is not predictable.

Correct Answer: D

QUESTION 8

Given a correctly compiled class whose source code is:

```
1. package com.sun.sjcp;
2.
3. public class Commander {
4.     public static void main(String[] args) {
5.         // more code here
6.     }
7. }
```

Assume that the class file is located in /foo/com/sun/sjcp/, the current directory is /foo/, and that the classpath contains "." (current directory). Which command line correctly runs Commander?

- A. java Commander
- B. java com.sun.sjcp.Commander
- C. java com/sun/sjcp/Commander
- D. java -cp com.sun.sjcp Commander
- E. java -cp com/sun/sjcp Commander

Correct Answer: B

QUESTION 9

A developer is creating a class Book, that needs to access class Paper.

The Paper class is deployed in a JAR named myLib.jar.

Which three, taken independently, will allow the developer to use the Paper class while compiling the Book class? (Choose three.)

- A. The JAR file is located at \$JAVA_HOME/jre/classes/myLib.jar
- B. The JAR file is located at \$JAVA_HOME/jre/lib/ext/myLib.jar
- C. The JAR file is located at /foo/myLib.jar and a classpath environment variable is set that includes /foo/myLib.jar/Paper.class
- D. The JAR file is located at /foo/myLib.jar and a classpath environment variable is set that includes /foo/myLib.jar
- E. The JAR file is located at /foo/myLib.jar and the Book class is compiled using javac -cp /foo/myLib.jar/Paper Book.java
- F. The JAR file is located at /foo/myLib.jar and the Book class is compiled using javac -d /foo/myLib.jar Book.java
- G. The JAR file is located at /foo/myLib.jar and the Book class is compiled using javac -classpath /foo/myLib.jar Book.java

Correct Answer: BDG

QUESTION 10

Given the following directory structure:

```
bigProject
|--source
|    |--Utils.java
|
|--classes
```

And the following command line invocation:

```
javac -d classes source/Utils.java
```

Assume the current directory is bigProject, what is the result?

- A. If the compile is successful, Utils.class is added to the source directory.
- B. The compiler returns an invalid flag error.
- C. If the compile is successful, Utils.class is added to the classes directory.
- D. If the compile is successful, Utils.class is added to the bigProject directory.

Correct Answer: C

QUESTION 11

Given the default classpath:

```
/foo
```

And this directory structure:

```

foo
|
test
|
xcom
|--A.class
|--B.java

```

And these two files:

```

package xcom;
public class A { }

```

```

package xcom;
public class B {
    A a;
}

```

Which allows B.java to compile? (Choose all that apply.)

- A. Set the current directory to xcom then invoke
javac B.java
- B. Set the current directory to xcom then invoke
javac -classpath . B.java
- C. Set the current directory to test then invoke
javac -classpath . xcom/B.java
- D. Set the current directory to test then invoke
javac -classpath xcom B.java
- E. Set the current directory to test then invoke
javac -classpath xcom:. B.java

Correct Answer: C

QUESTION 12

Given the following directory structure:

```

x-|
  |- FindBaz.class
  |
  |- test-|
          |- Baz.class
          |
          |- myApp-|
                  |- Baz.class

```

And given the contents of the related .java files:

```

1. public class FindBaz {
2.     public static void main(String[] args) { new Baz(); }
3. }

```

In the test directory:

```

1. public class Baz {
2.     static { System.out.println("test/Baz"); }
3. }

```

In the myApp directory:

```

1. public class Baz {
2.     static { System.out.println("myApp/Baz"); }
3. }

```

If the current directory is x, which invocations will produce the output "test/Baz"? (Choose all that apply.)

- A. `java FindBaz`
- B. `java -classpath test FindBaz`
- C. `java -classpath .:test FindBaz`
- D. `java -classpath .:test/myApp FindBaz`
- E. `java -classpath test:test/myApp FindBaz`
- F. `java -classpath test:test/myApp:. FindBaz`
- G. `java -classpath test/myApp:test:. FindBaz`

Correct Answer: CF

QUESTION 13

Given the following directory structure:

```
test-|
    |- GetJar.java
    |
    |- myApp-|
              |- Foo.java
```

And given the contents of `GetJar.java` and `Foo.java`:

```
3. public class GetJar {
4.     public static void main(String[] args) {
5.         System.out.println(myApp.Foo.d);
6.     }
7. }

3. package myApp;
4. public class Foo { public static int d = 8; }
```

If the current directory is "test", and `myApp/Foo.class` is placed in a JAR file called `MyJar.jar` located in test, which set(s) of commands will compile `GetJar.java` and produce the output 8? (Choose all that apply.)

- A. `javac -classpath MyJar.jar GetJar.java`
`java -classpath MyJar.jar:. GetJar`
- B. `javac MyJar.jar GetJar.java`
`java GetJar`
- C. `javac -classpath MyJar.jar GetJar.java`
`java -classpath MyJar.jar GetJar`
- D. `javac MyJar.jar GetJar.java`
`java -classpath MyJar.jar GetJar`

Correct Answer: A

QUESTION 14

Given the following directory structure:

```
x-|
  |- GoDeep.class
  |
  |- test-|
           |- MyJar.jar
           |
           |- myApp-|
                  |- Foo.java
                  |- Foo.class
```

And given the contents of `GoDeep.java` and `Foo.java`:

```
3. public class GoDeep {
4.     public static void main(String[] args) {
5.         System.out.println(myApp.Foo.d);
6.     }
```



```
7. }  
3. package myApp;  
4. public class Foo { public static int d = 8; }
```

And MyJar.jar contains the following entry:

myApp/Foo.class

If the current directory is x, which commands will successfully execute GoDeep.class and produce the output 8? (Choose all that apply.)

- A. java GoDeep
- B. java -classpath . GoDeep
- C. java -classpath test/MyJar.jar GoDeep
- D. java GoDeep -classpath test/MyJar.jar
- E. java GoDeep -classpath test/MyJar.jar:.
- F. java -classpath .:test/MyJar.jar GoDeep
- G. java -classpath test/MyJar.jar:.. GoDeep

Correct Answer: FG