Java – Learn From Home

Quiz – Chapter 7

1. Which of these packages contain classes and interfaces used for input & output operations of a program?
    a) java.util
    b) java.lang
    c) java.io
    d) All of the mentioned

    Answer: c
    Explanation: java.io provides support for input and output operations.

2. Which of these class is not related to input and output stream in terms of functioning?
    a) File
    b) Writer
    c) InputStream
    d) Reader
Answer: a
Explanation: A File describes properties of a file, a File object is used to obtain or manipulate the information associated with a disk file, such as the permissions, time date, and directories path, and to navigate subdirectories.

3. Which of these data type is returned by every method of OutputStream?
a) int
b) float
c) byte
d) None of the mentioned

Answer: d
Explanation: Every method of OutputStream returns void and throws an IOExeption in case of errors.

4. Which of these is a process of writing the state of an object to a byte stream?

a) Serialization
b) Externalization
c) File Filtering
d) All of the mentioned

Answer: a
Explanation: Serialization is the process of writing the state of an object to a byte stream. This is used when you want to save the state of your program to persistent storage area.

5. Which of these is method of ObjectOutput interface used to write the object to input or output stream as required?
a) write()
b) Write()
c) StreamWrite()
d) writeObject()

Answer: d
Explanation: writeObject() is used to write an object into invoking stream, it can be input stream or output stream.

6. What is the output of this program?

```
 import java.io.*;
   class files {
      public static void main(String args[]) {
         File obj = new File("/java/system");
         System.out.print(obj.getParent());
         System.out.print(" " + obj.isFile());
      }
   }
```

Note: file is made in c drive.
a) java true
b) java false
c) \java false
d) \java true

Answer: c

Explanation: getparent() giver the parent directory of the file and isfile() checks weather the present file is a directory or a file in the disk

7. What is the output of this program if input given is "abc'def/'egh"?

```
class Input_Output {
    public static void main(String args[]) throws IOException {
        char c;
        BufferedReader obj = new BufferedReader(new InputStreamReader(System.in));
        do {
            c = (char) obj.read();
            System.out.print(c);
        } while(c!='\'');
    }
}
```

a) abc'
b) abcdef/'
c) abc'def/'egh
d) abcqfghq

Answer: a
Explanation: \' is used for single quotes that is for representing '.

8. Which of these is used to perform all input & output operations in Java?
a) streams
b) Variables
c) classes
d) Methods

Answer: a
Explanation: Like in any other language, streams are used for input and output operations.

9. Which of these interface extends DataOutput interface?
a) Serializable
b) Externalization
c) ObjectOutput

d) ObjectInput

Answer: c
Explanation: ObjectOutput interface extends the DataOutput interface and supports object serialization.