Unit 9 - Week 7:

Assignment 7

The due date for submitting this assignment has passed. Due on 2020-03-18, 23:59 IST. As per our records you have not submitted this assignment.

1) Which of the following streams contains the classes which can work on character stream?

   a. InputStream
   b. OutputStream
   c. FileReader
   d. FileWriter

   - a.
   - b.
   - c.
   - d.

   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   c. d.

2) Which of the following methods help in clearing the contents of the buffer:

   a. flush()
   b. clear()
   c. close()
   d. exit()
In which Java APIs the classes for handling all IO-streams are defined?

- a. java.lang
- b. java.util
- c. java.io
- d. java.awt

Which of the following statements is/ are NOT true?

- a. While you are creating an instance of File class, and if you do not use the file naming according to the convention of the local machine, the constructor will throw an exception of class IOException.
- b. A File object can be opened for both reading and writing simultaneously.
- c. When you create an object of Fileclass for writing, if the corresponding file does not exist on the local file system, then it will be created.
- d. Closing operation of a File object never faces any run-time error and hence need not to be placed under try-catch block.

No, the answer is incorrect.
Score: 0
Accepted Answers:
- c.
Should FileReader be used to read a Java bytecode (e.g., a .class) file? Which of the following is an appropriate answer?

a. No, bytecode files can only be executed, never read.
b. No, the bytes in bytecode files are not intended to be interpreted as characters.
c. Yes, any file can be read with FileReader under byte-stream class.
d. Maybe, as long as the bycodes were created on the same computer as the program using FileReader.

No, the answer is incorrect.
Score: 0
Accepted Answers:
c.

6) 1 point

Which of the following statement is NOT true for RandomAccessFile object?

a. It can allow to open a file both in read and write mode.
b. It can allow to store the data fields of any object and then reading the same.
c. The seek(0) method of the object place the file pointer at the beginning of the file.
d. It cannot be used to read a network line.

No, the answer is incorrect.
Score: 0
Accepted Answers:
d.

7) 1 point

Which of the following methods is/are must and to be override?

a. init()
b. start()
c. stop()
d. paint()

No, the answer is incorrect.
Score: 0
Accepted Answers:
d.
Which of the following interface is NOT a member of java.io package?

a. DataInputStream
b. ObjectInput
c. Runnable
d. FileFilter

No, the answer is incorrect.
Score: 0
Accepted Answers:
c.

9)

```java
import java.io.*;

public class Question7{
    public static void main(String[] args){
        try{
            InputStream file = new FileInputStream("./Text.txt");
            System.out.print(file.available());
        } catch(Exception e){
            System.out.print(e);
        }
    }
}
```

The file ./Text.txt when opened with the Notepad text editor, it shows the content as shown below:

![Image of Notepad showing 'NPTEL']

Which of the following is the correct output for the `try` portion of the code?

a. Prints the number of bytes in the file.
b. Prints the number of characters in the file.
c. Prints 'true', if the file is present; else prints 'false'.
d. Prints nothing, as an exception will be caught.

No, the answer is incorrect.
Score: 0
Accepted Answers:
a.
10) Which of the following methods help in clearing the contents of the buffer:

a. `flush()`
b. `clear()`
c. `close()`
d. `exit()`

No, the answer is incorrect.
Score: 0
Accepted Answers: 
a.