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NPTEL (<https://swayam.gov.in/explorer?ncCode=NPTEL>) » Programming in Java (course)Course
outlineHow does an
NPTEL online
course work?Week 0 :
Assignment 0

Week 1 :

Week 2 :

Week 3 :

Week 4 :

Week 5 :

Week 6 :

Week 7 :

- ☐ Lecture 31 : I-
O Stream-II
(unit?
unit=59&lesson=60)
- ☐ Lecture 32 : I-
O Stream-III
(unit?
unit=59&lesson=61)
- ☐ Lecture 33 :
Demonstration-

Assignment 7

Your last recorded submission was on 2021-03-10, 12:57 Due date: 2021-03-10, 23:59 IST.
IST

1) Which of the following is/are NOT Standard Stream(s)? 1 point

- a. System.in
- b. System.out
- c. System.err
- d. System.console

- ☐ a
- ☐ b
- ☐ c
- ☒ d

2) 1 point

Which of the following statement(s) is/are false?

- a. In unbuffered I/O, each read or write request is handled directly by the underlying OS.
- b. Buffered input streams read data from a memory area known as a buffer; the native input API is called only when the buffer is empty.
- c. Buffered output streams write data to a buffer, and the native output API is called only when the buffer is full.
- d. In buffered I/O scheme, each read or write request often triggers disk access, network activity.

- ☐ a
- ☐ b

XII (unit?
unit=59&lesson=62)

- ☐ c
☒ d

☐ Lecture 34 :
Applet
Programming
- I (unit?
unit=59&lesson=63)

3)

1 point

Which of the following streams contains the classes which can work on byte stream?

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

☐ Lecture 35 :
Applet
Programming
- II (unit?
unit=59&lesson=64)

☒ Quiz :
Assignment 7
(assessment?
name=166)

- ☒ a
☒ b
☐ c
☐ d

☐ Week 7 : Q1
(/noc21_cs03/progassignment?
name=161)

4)

1 point

In which Java APIs the classes for handling all IO-streams are defined?

☐ Week 7 : Q2
(/noc21_cs03/progassign
name=162)

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

☐ Week 7 : Q3
(/noc21_cs03/progassign
name=163)

☐ Week 7: Q4
(/noc21_cs03/progassignmen
name=164)

- ☐ a
☐ b

☐ Week 7: Q5
(/noc21_cs03/progassignment?
name=165)

- ☒ c
☐ d

☐ Feedback For
Week 7 (unit?
unit=59&lesson=65)

5)

1 point

Which of the following statements is/ are 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.

- ☒ a
☐ b
☒ c
☒ d

Week 8 :

Assignment
Solution

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Text Transcripts

6)

1 point

Which of the following statement(s) is/are true?

- a. DataStreams detects an end-of-file condition by using EOFException, instead of testing for an invalid return value.
- b. DataStreams uses floating point numbers to represent monetary values.
- c. Data streams support I/O of primitive data types.
- d. Object streams support I/O of objects.

☒ a☒ b☒ c☒ d

7)

1 point

Which of the following statement(s) is/are 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.

☒ a☒ b☒ c☐ d

8)

1 point

Which of the following syntax(s) is/are valid?

- a. *.abc – Matches all strings that end in .abc.
- b. ??? – Matches all strings with exactly three letters or digits.
- c. *[0-9]* – Matches all strings containing 0 or 9 only.
- d. b?*.doc – Matches any string beginning with b, followed by at least one letter or digit, and ending with .doc

☒ a☒ b☐ c☒ d

9)

1 point

Which of the following interface(s) is/are member(s) of `java.io` package?

- a. `FileFilter`
- b. `ObjectInput`
- c. `Runnable`
- d. `Flushable`

- ☒ a
- ☒ b
- ☐ c
- ☒ d

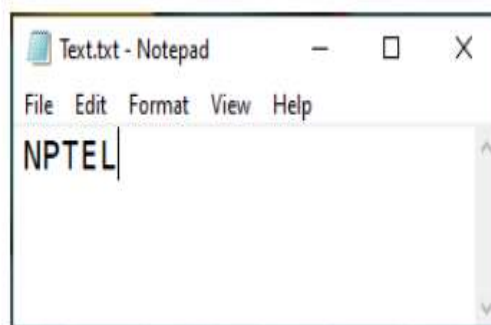
10)

1 point

```
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.



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

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

- ☐ a
- ☐ b

☐ c☒ d

You may submit any number of times before the due date. The final submission will be considered for grading.

Submit Answers