



## PROGRAMMING IN JAVA

### Assignment7

#### TYPE OF QUESTION: MCQ

Number of questions: 10

Total mark:  $10 \times 1 = 10$

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#### **QUESTION 1:**

Consider the following program.

```
import java.io.*;
public class Question {
    public static void main(String[] args)
    {
        try {
            PrintWriter writer = new PrintWriter(System.out);
            writer.write('4'+ '2');
            writer.close();
        }
        catch (Exception e) {
            System.out.println(e);
        }
    }
}
```

What will be the output if the above program is executed?

- a. It will give a compile-time error.
- b. 102
- c. 42
- d. f

**Correct Answer: d**

**Detailed Solution:**

The expression '4'+'2' add 52 with 50 (i.e., Ascii value of 4 and 2)=102 and print the corresponding char, in this case, f.

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**QUESTION 2:**

**Which method is used to write an array of byte to the current output stream?**

- a. `public void write(int b)throws IOException{ }`
- b. `public void flush(byte[ ] b)throws IOException{ }`
- c. `public void write(byte[ ] b)throws IOException{ }`
- d. `public int write(int b)throws IOException{ }`

**Correct Answer: c**

**Detailed Solution:**

`public void write(byte[ ] b)throws IOException{ }` is used to write an array of byte to the current output stream.

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**QUESTION 3:**

**Which of the following is NOT a Standard Stream?**

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

**Correct Answer: d**

**Detailed Solution:**

The Java platform supports three Standard Streams: Standard Input, accessed through `System.in`; Standard Output, accessed through `System.out`; and Standard Error, accessed through `System.err`.

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**QUESTION 4:**

**Which of the following method(s) is not included in the `OutputStream` class?**

- a. `close( )`
- b. `write( )`
- c. `skip( )`
- d. `flush( )`

**Correct Answer: c**



**Detailed Solution:**

skip( ) is not a valid method in the OutputStream class.

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**QUESTION 5:**

**Which of the following methods of the BufferedReader class is used for reading lines of text from the console, the file, or other input streams?**

- a. read( )
- b. readLine( )
- c. readByte( )
- d. read(byte [ ] b)

**Correct Answer: b**

**Detailed Solution:**

readLine( ) method of the BufferedReader class is used for reading lines of text from the console, the file, or other input streams.

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**QUESTION 6:**

**Consider the following program.**

```
import java.io.*;
public class files
{
    public static void main(String args[])
    {
        File obj = new File("java/course/july/2023");
        System.out.print(obj.getPath());
    }
}
```

**What is the output of the above code?**

- a. java/course/july/2023
- b. java/course/july/
- c. java/course/
- d. 2023



**Correct Answer: a**

**Detailed Solution:**

Test by run.

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**QUESTION 7:**

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

- a. `FileWriter`
- b. `FileFilter`
- c. `ObjectOutput`
- d. `DataOutput`

**Correct Answer: b, c, d**

**Detailed Solution:**

`FileWriter` is a class in the `java.io` package. All others are interfaces.

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**QUESTION 8:**

**Fill in the blanks.**

**The class `DataInputStream` extends \_\_\_\_\_ and implements the interface \_\_\_\_\_.**

- a. `FileInputStream` , `FileInput`
- b. `FilterInputStream` , `DataInput`
- c. `FilterInputStream` , `FileInput`
- d. `FileInputStream` , `DataInput`

**Correct Answer: b**

**Detailed Solution:**

`public class DataInputStream extends FilterInputStream implements DataInput.`

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**QUESTION 9:**

**Which of the following method(s) is not included in InputStream class?**

- a. available( )
- b. reset( )
- c. read( )
- d. flush( )

**Correct Answer: d**

**Detailed Solution:**

flush( ) is not a valid method in the InputStream class.

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**QUESTION 10:**

**Which of the following package(s) contains a large number of stream classes that provide capabilities for processing all types of data?**

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

**Correct Answer: b**

**Detailed Solution:**

java.io contains a large number of stream classes that provide capabilities for processing all types of data.

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