PROGRAMMING IN JAVA

Assignment7

TYPE OF QUESTION: MCQ

Number of questions: 10   **Total mark: $10 \times 1 = 10$**

QUESTION 1:

Which of these is a type of IO stream in Java?

- a. Integer stream
- b. Short stream
- c. Byte stream
- d. Character stream

Correct Answer: c, d

Detailed Solution:

Java defines only two types of streams: Byte stream and character stream**. O**thers are not streams.

QUESTION 2:

Which of the following is a class in `java.io` package?

- a. FileReader
- b. ObjectInput
- c. ObjectOutput
- d. DataInput

Correct Answer: a

Detailed Solution:
FileReader is a class in java.io package. All others are interfaces.

QUESTION 3:

Consider the following program.

```java
import java.io.*;
  public class Question {
    public static void main(String[] args)
    {
        try {
            PrintWriter writer = new PrintWriter(System.out);
             writer.write(64+'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 compile-time error.
- b. B
- c. 66
- d. r

Correct Answer: d

Detailed Solution:

The expression `64+'2'` add 64 with 50(i.e, Ascii value of 2)=114 and print the corresponding char, in this case, r.

QUESTION 4:

Consider the following program.

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

What is the output of the above code?

- a. java/programm/2023
- b. java/programm/
- c. java
- d. 2023

Correct Answer: d

Detailed Solution:
Test by run.

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QUESTION 5:

Which method is used to read b length bytes from the input stream into an array?

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

Correct Answer: b

Detailed Solution:

public int read(byte[ ] b)throws IOException{} is used to read b length bytes from the input stream into an array.

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QUESTION 6:

How many standard streams Java can support?

- a. 2
- b. 3
- c. 4
- d. 1

Correct Answer: b

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.

QUESTION 7:

Which of the following stream is different from others?

a. System.in
b. System.out
c. PrintStream
d. FileOutputStream

Correct Answer: c

Detailed Solution:
Print stream is a virtual stream, which add functionality to already existing streams by wrapping them in a new object. All others are physical streams (i.e., tied to some IO device that is producing or consuming bytes or characters).

QUESTION 8:

Which of the following is used to read a string from the input stream?

a. get( )
b. readLine( )
c. getLine( )
d. read( )

Correct Answer:b

Detailed Solution:

readLine() : Reads the next line of text from the input stream and return it as a String.

QUESTION 9:

Which of the following class(es) can be used for handling files in Java?

a. java.files
b. java.io.File
c. java.io
d. java.Filehandling

Correct Answer: b

Detailed Solution:

To access the file handling methods, we need to use Java.io.File.

QUESTION 10:

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

   a. The default delimiters for a Scanner object are the white space characters.
   b. The Scanner class has instance methods for reading each of the Java primitive types except char.
   c. The Scanner methods do not throw any checked exceptions.
   d. The Scanner class can be found in the java.util package.

Correct Answer: a, b, c, d

Detailed Solution:

All options are correct.