

# Java Assignment 10

```
/*
Ques 1 : Write a program to copy contents of one file to another file.
Name : Sandesh Shivaji Shinde
PRN : 23620006
*/

import java.io.*;

public class Ques_1 {
    public static void main(String[] args) {
        String sourceFile = "java.txt";
        String destinationFile = "cpp.txt";

        try {

            BufferedReader reader = new BufferedReader(new FileReader(sourceFile));

            BufferedWriter writer = new BufferedWriter(new FileWriter(destinationFile));

            String line;
            while ((line = reader.readLine()) != null) {
                writer.write(line);
                writer.newLine();
            }

            reader.close();
            writer.close();

            System.out.println("File copied successfully.");
        } catch (IOException e) {
            System.out.println("An error occurred: " + e.getMessage());
        }
    }
}
```

```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS
Code - Assignment 10 + v [ ] [ ] ... ^ x

● PS D:\Users\Sandesh\Desktop\WCE\SY\Java-Assignments> cd "d:\Users\Sandesh\Desktop\WCE\SY\Java-Assignments\Assignment 10"
  \"; if ($?) { javac Ques_1.java } ; if ($?) { java Ques_1 }
  File copied successfully.
○ PS D:\Users\Sandesh\Desktop\WCE\SY\Java-Assignments\Assignment 10> |
```

```

/*
Ques 2 : Write a program to write bytes to a file.
Name : Sandesh Shivaji Shinde
PRN : 23620006

*/

import java.io.FileOutputStream;
import java.io.IOException;

public class Ques_2 {
    public static void main(String[] args) {
        String filename = "byteFile.bin";

        try {
            FileOutputStream outputStream = new FileOutputStream(filename);

            byte[] bytesToWrite = {65, 66, 67, 68, 69};

            outputStream.write(bytesToWrite);

            outputStream.close();

            System.out.println("Bytes written to file successfully.");
        } catch (IOException e) {
            System.out.println("An error occurred: " + e.getMessage());
        }
    }
}

```

PROBLEMS OUTPUT DEBUG CONSOLE **TERMINAL** PORTS

Code - Assignment 10 + - [ ] [ ] ... ^ X

- PS D:\Users\Sandesh\Desktop\WCE\SY\Java-Assignments\Assignment 10> cd "d:\Users\Sandesh\Desktop\WCE\SY\Java-Assignments\Assignment 10\" ; if (\$?) { javac Ques\_2.java } ; if (\$?) { java Ques\_2 }  
Bytes written to file successfully.
- PS D:\Users\Sandesh\Desktop\WCE\SY\Java-Assignments\Assignment 10>

```

/*
    Ques 3 : Develop a program to display contents of file supplied as command line
    argument.
    Name : Sandesh Shivaji Shinde
    PRN : 23620006
*/

import java.io.BufferedReader;
import java.io.FileReader;
import java.io.IOException;

public class Ques_3 {
    public static void main(String[] args) {
        if (args.length != 1) {
            System.out.println("Usage: java FileContentDisplay <file-path>");
            return;
        }

        String filePath = args[0];

        try {
            BufferedReader reader = new BufferedReader(new FileReader(filePath));

            String line;

            while ((line = reader.readLine()) != null) {
                System.out.println(line);
            }

            reader.close();
        } catch (IOException e) {
            System.out.println("An error occurred: " + e.getMessage());
        }
    }
}

```

```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
Code - Assignment 10 + - [] [X] ... ^ X

● PS D:\Users\Sandesh\Desktop\WCE\SY\Java-Assignments\Assignment 10> java Ques_3 java.txt
This is java programming
Java is open source
○ PS D:\Users\Sandesh\Desktop\WCE\SY\Java-Assignments\Assignment 10>

```

```

/*
    Ques 4 : Write Java program to read text from file from a specified index or
    skipping byte using FileInputStream.
    Name : Sandesh Shivaji Shinde
    PRN : 23620006
*/

import java.io.*;

public class Ques_4 {
    public static void main(String[] args) {

        if (args.length != 2) {
            System.out.println("Usage: java FileReaderWithOffset <file-path> <offset>");
            return;
        }

        String filePath = args[0];
        int offset = Integer.parseInt(args[1]);

        try {
            FileInputStream inputStream = new FileInputStream(filePath);

            Long skipped = inputStream.skip(offset);
            if (skipped != offset) {
                System.out.println("Unable to skip specified offset.");
                return;
            }

            int data;
            while ((data = inputStream.read()) != -1) {
                System.out.print((char) data);
            }

            inputStream.close();
        } catch (IOException e) {
            System.out.println("An error occurred: " + e.getMessage());
        }
    }
}

```

PROBLEMS OUTPUT DEBUG CONSOLE **TERMINAL** PORTS

Code - Assignment 10

- PS D:\Users\Sandesh\Desktop\WCE\SY\Java-Assignments\Assignment 10> java Ques\_4 java.txt 100
- PS D:\Users\Sandesh\Desktop\WCE\SY\Java-Assignments\Assignment 10> java Ques\_4 java.txt 10

va programming  
Java is open source

PS D:\Users\Sandesh\Desktop\WCE\SY\Java-Assignments\Assignment 10>

```

/*
Ques 5 : Write Java program to append text/string in a file.
Name : Sandesh Shivaji Shinde
PRN : 23620006

*/

import java.io.BufferedWriter;
import java.io.FileWriter;
import java.io.IOException;

public class Ques_5 {
    public static void main(String[] args) {
        if (args.length != 2) {
            System.out.println("Usage: java Ques_5 <file-path> <text-to-append>");
            return;
        }

        String filePath = args[0];
        String textToAppend = args[1];

        try {
            BufferedWriter writer = new BufferedWriter(new FileWriter(filePath, true));

            writer.write(textToAppend);

            writer.close();

            System.out.println("Text appended to file successfully.");
        } catch (IOException e) {
            System.out.println("An error occurred: " + e.getMessage());
        }
    }
}

```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

Code - Assignment 10 + - [ ] [ ] ... ^ X

- PS D:\Users\Sandesh\Desktop\WCE\SY\Java-Assignments\Assignment 10> javac Ques\_5.java
- PS D:\Users\Sandesh\Desktop\WCE\SY\Java-Assignments\Assignment 10> java Ques\_5  
Text appended to file successfully.
- PS D:\Users\Sandesh\Desktop\WCE\SY\Java-Assignments\Assignment 10> [ ]

```

/*
Ques 6 : Write Java program to read a file line by line.
Name : Sandesh Shivaji Shinde
PRN : 23620006

*/

import java.io.BufferedReader;
import java.io.FileReader;
import java.io.IOException;

public class Ques_6 {
    public static void main(String[] args) {

        String filePath = "java.txt";

        try {

            BufferedReader reader = new BufferedReader(new FileReader(filePath));

            String line;

            while ((line = reader.readLine()) != null) {
                System.out.println(line);
            }

            reader.close();
        } catch (IOException e) {
            System.out.println("An error occurred: " + e.getMessage());
        }
    }
}

```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

Code - Assignment 10 + - [ ] [ ] ... ^ X

- PS D:\Users\Sandesh\Desktop\WCE\SY\Java-Assignments\Assignment 10> javac Ques\_6.java
- PS D:\Users\Sandesh\Desktop\WCE\SY\Java-Assignments\Assignment 10> java Ques\_6
  - This is java programming
  - Java is open source
- PS D:\Users\Sandesh\Desktop\WCE\SY\Java-Assignments\Assignment 10>

```
/*
Ques 7 : Write Java program to delete a file.
Name : Sandesh Shivaji Shinde
PRN : 23620006

*/

import java.io.File;

public class Ques_7 {
    public static void main(String[] args) {

        String filePath = "cpp.txt";

        File file = new File(filePath);

        if (file.exists()) {
            if (file.delete()) {
                System.out.println("File deleted successfully.");
            } else {
                System.out.println("Failed to delete the file.");
            }
        } else {
            System.out.println("File does not exist.");
        }
    }
}
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS Code - Assignment 10 + - [ ] [ ] ... ^ X

- PS D:\Users\Sandesh\Desktop\WCE\SY\Java-Assignments\Assignment 10> javac Ques\_7.java
- PS D:\Users\Sandesh\Desktop\WCE\SY\Java-Assignments\Assignment 10> java Ques\_7  
File deleted successfully.
- PS D:\Users\Sandesh\Desktop\WCE\SY\Java-Assignments\Assignment 10>

```

/*
Ques 8 : Write Java Program to display text file information.
Name : Sandesh Shivaji Shinde
PRN : 23620006

*/

import java.io.File;
import java.text.SimpleDateFormat;

public class Ques_8 {
    public static void main(String[] args) {

        String filePath = "java.txt";

        File file = new File(filePath);

        if (file.exists() && file.isFile()) {
            System.out.println("File Name: " + file.getName());
            System.out.println("File Path: " + file.getAbsolutePath());
            System.out.println("File Size: " + file.length() + " bytes");
            System.out.println("Last Modified: " + formatDate(file.lastModified()));
        } else {
            System.out.println("File does not exist or is not a regular file.");
        }
    }

    private static String formatDate(long timestamp) {
        SimpleDateFormat sdf = new SimpleDateFormat("yyyy-MM-dd HH:mm:ss");
        return sdf.format(timestamp);
    }
}

```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

Code - Assignment 10 + - [ ] [ ] ... ^ X

- PS D:\Users\Sandesh\Desktop\WCE\SY\Java-Assignments\Assignment 10> javac Ques\_8.java
- PS D:\Users\Sandesh\Desktop\WCE\SY\Java-Assignments\Assignment 10> java Ques\_8
  - File Name: java.txt
  - File Path: D:\Users\Sandesh\Desktop\WCE\SY\Java-Assignments\Assignment 10\java.txt
  - File Size: 45 bytes
  - Last Modified: 2024-04-13 22:14:44
- PS D:\Users\Sandesh\Desktop\WCE\SY\Java-Assignments\Assignment 10>