Slip No. 20 (Total Marks: 30)

1. Accept array elements and display in reverse order – 10 Marks

```java
Copy code
import java.util.Scanner;

class ReverseArray {
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        int n = sc.nextInt();
        int[] array = new int[n];

        for (int i = 0; i < n; i++) {
            array[i] = sc.nextInt();
        }

        for (int i = n - 1; i >= 0; i--) {
            System.out.println(array[i]);
        }
    }
}
```

2. Copy contents from one file to another and append "end of file" – 20 Marks

```java
Copy code
import java.io.*;

class FileCopy {
    public static void main(String[] args) throws IOException {
        BufferedReader br = new BufferedReader(new
InputStreamReader(System.in));

        System.out.println("Enter the source file name: ");
        String sourceFile = br.readLine();
        System.out.println("Enter the destination file name: ");
        String destFile = br.readLine();

        try (BufferedReader reader = new BufferedReader(new
FileReader(sourceFile));
             BufferedWriter writer = new BufferedWriter(new
FileWriter(destFile))) {

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

            writer.write("end of file");
            System.out.println("File copied successfully with 'end of file'
appended.");
        }
```

```
        }
}
```