

Logic Building Assignment : 75

1. Write java program to print below pattern.

```
*****
****  ****
***   ***
**    **
*     *
*     *
**    **
***   ***
****  ****
*****
```

```
public class PrintPattern
{
    public static void main(String args[])
    {
        // Logic
    }
}
```

2. Write Java program to multiply two matrices

```
import java.util.Scanner;

class MatrixMultiplication
{
    public static void main(String args[])
    {
        // Logic
    }
}
```

3. Write a java program which print Fibonacci series

4. Java program to merge two files alternatively into third file

5. Java program to count the number of characters in a file

```
import java.io.*;

public class Test
{
    public static void main(String[] args) throws IOException
    {
        File file = new File(path);
        FileInputStream fileStream = new FileInputStream(file);
        InputStreamReader input = new InputStreamReader(fileStream);
        BufferedReader reader = new BufferedReader(input);

        String line;

        // Initializing counters
        int countWord = 0;
        int sentenceCount = 0;
        int characterCount = 0;
        int paragraphCount = 1;
        int whitespaceCount = 0;

        // Logic

        System.out.println("Total word count = " + countWord);
        System.out.println("Total number of sentences = " +
sentenceCount);
        System.out.println("Total number of characters = " +
characterCount);
        System.out.println("Number of paragraphs = " + paragraphCount);
        System.out.println("Total number of whitespaces = " +
whitespaceCount);
    }
}
```