**SINGLE PATTERN CODE**

package SinglePattern;

public class Logger {

private static Logger loggerInstance;

private Logger() {

// Private constructor to prevent instantiation

}

public static Logger getLogger() {

if (loggerInstance == null) {

loggerInstance = new Logger();

}

return loggerInstance;

}

public void print(String message) {

System.out.println(message);

}

}

//LoggerTest code

package SinglePattern;

public class LoggerTest {

public static void main(String[] args) {

Logger log1=Logger.getLogger();

Logger log2=Logger.getLogger();

log1.print("Hello!");

log2.print("Hi again!");

if(log1==log2) {

System.out.println("It's the same logger!");

} else {

System.out.println("Different loggers!");

}

}

}

**OUTPUT**

