**1.Singleton Pattern:**

public class SingletonPatternExample{

public static void main(String[] args) {

Logger Log1=Logger.getInstance();

Logger Log2=Logger.getInstance();

Log1.log("Logging first time");

Log2.log("Logging for second time");

if(Log1==Log2){

System.out.println("Only one instance is created");

}else{

System.out.println("Two instances is created");

}

}

}

public class Logger{

private Logger(){

System.out.println("Logger instance created");

}

private static class LoggerHolder{

private static final Logger Instance=new Logger();

}

public static Logger getInstance(){

return LoggerHolder.Instance;

}

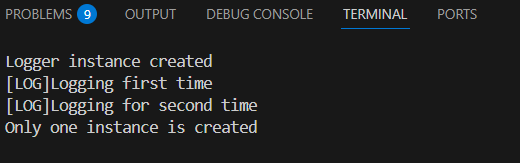
public void log(String msg){

System.out.println("[LOG]"+msg);

}

}

**Output:**

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