Example of Meaningful predictions Made by LEONID

TARGET JAVA METHOD

```java
private CreateRequest processPreIngestPlugins
        (CreateRequest createRequest) throws topProcessingException
{
    for(PreIngestPlugin plugin:frameworkProperties.getPreIngest())
    {
        try{
            createRequest = plugin.process(createRequest);
        }catch(PluginExecutionException e){
            LOGGER.info(PROCESSING_ERROR,e);
        }
    }
    return createRequest;
}
```

Target Log Statement

PREDICTED METHOD

```java
private CreateRequest processPreIngestPlugins
        (CreateRequest createRequest) throws topProcessingException
{
    for(PreIngestPlugin plugin:frameworkProperties.getPreIngest())
    {
        try{
            createRequest = plugin.process(createRequest);
        }catch(PluginExecutionException e){
            LOGGER.info("Plugin processing failed.
                This is allowable. Skipping to next plugin.",e);
        }
    }
    return createRequest;
}
```

Predicted Log Statement

TARGET JAVA METHOD

```java
private void printLedgerMetadata(long ledgerId, LedgerMetadata md,
                                    boolean printMeta){
    LOG.info("ledgerID: " +
        ledgerIdFormatter.formatLedgerId(ledgerId));
    if(printMeta){
        LOG.info(md.toString());
    }
}
```

Target Log Statement

PREDICTED METHOD

```java
private void printLedgerMetadata(long ledgerId, LedgerMetadata md,
                                    boolean printMeta){
    LOG.info("Ledger metadata for ledgerId={}, len={}",
        ledgerId, md.getLength());
    if(printMeta){
        LOG.info(md.toString());
    }
}
```

Predicted Log Statement