**Before Code Optimization:  
  
CPU (High):**

Timeline

Description automatically generated

**CPU (Low):**

Graphical user interface

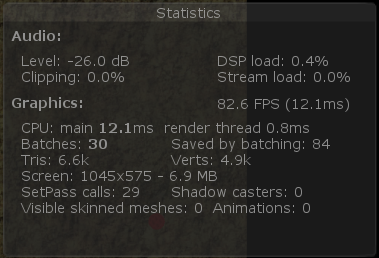
Description automatically generated with low confidence

**Memory (High):Graphical user interface

Description automatically generated**

**Memory (Low):**  
Graphical user interface

Description automatically generated

**FPS:  
**

**After Code Optimization:**

**CPU (High):**

**A picture containing timeline

Description automatically generated**

**CPU (Low):**

**A picture containing chart

Description automatically generated**

**Memory (High):**

**Graphical user interface

Description automatically generated**

**Memory (Low):**

**Graphical user interface

Description automatically generated**

**FPS:**

Text

Description automatically generated

**Code Optimization:**

**1) Common subexpression elimination:**

**(Before)**

Text

Description automatically generated

**(After)**

Text

Description automatically generated

**2) Extract Method:**

**(Before)**

Text

Description automatically generated

**(After)**

Text

Description automatically generated

**3) Extract Method:**

**(Before)** **Text

Description automatically generated**

**(After)**

**Text

Description automatically generated**

**A screenshot of a computer

Description automatically generated with medium confidence**

**4) Extract Method:**

**(Before)**

**Text

Description automatically generated**

**(After)** **Text

Description automatically generated**Text

Description automatically generated

**5) Extract Method:**

**(Before)**

**Text

Description automatically generated**

**(After)**

Graphical user interface, text

Description automatically generated with medium confidence

Text

Description automatically generated