**Breakpoints:**

Text

Description automatically generated

**Callstack:**

A screenshot of a computer

Description automatically generated with medium confidence

**Watches:**

A screenshot of a computer

Description automatically generated with medium confidence

**Debugging Shortcuts:**

To begin/end Debugging: **Shift + f5**  
To restart debugging: **Ctrl + Shift + f5**  
Step Over line: **f10**  
Step into line: **f11**  
Step out of line: **Sift + f11**

**Tests:**

**Test 1:**

**Text

Description automatically generated**

Ensure names are printing correctly, expected outcome is that the name printed will be the correct name according to the record.

A picture containing icon

Description automatically generated

This code results in the name not printing correctly, the character array size needs to be 1 index larger and initiated so that it has a null terminator at the end of the string, otherwise the string will continue to read random memory and cause the character array to not be printed properly.

**Test 2:**

Text

Description automatically generated

Test: When the right arrow key is pressed the current image should be unloaded before the next image is loaded inside of get record, expected result is that we should no lo0nger increase in RAM usage when opening new records.

A screenshot of a computer

Description automatically generated with medium confidence

Results suggest that we do not increase in memory usage as the program is used, the image is unloaded before a new one is created which ensures that the image is not stored in extra memory, as seen in the debugger and the raylib log.

**Test 3:**

Text

Description automatically generated

Due to the size of each record changing the starting positions where each record begin are not consistent, if we are reading the file correctly then the expected positions where each record begins in the binary file should be at position 4, 262171, 524340, 786515 and 1048693 respectively for our input datafile.

Background pattern

Description automatically generated

Results imply that our load function is working as intended finding the correct position of each record. This is also seen by our records loading correctly when the program is run.