



```

| + update_memory_display()
| + update_output()
| + clear_output()
| + open_file_in_new_window()
+-----▲-----+

```

```

+-----|-----+
| Load_Program |
+-----+
| - memory: Memory |
| - file_converter: FileConverter
| + __init__() |
| + load_program() |
+-----▲-----+

```

```

+-----|-----+
| FileConverter |
+-----+
| - VALID_OPCODES |
| + convert_4_to_6() |
| + convert_file() |
+-----+

```

```

|
|
|
|
|
|
|
|
+-----|-----+
| Memory |
+-----+
| - memory: [MemoryRegister] |
| - read_callback |
| - waiting_for_input: bool |
| + __init__() |
| + write() |
| + read() |
+-----▲-----+

```

```

+-----|-----+
| MemoryRegister |
+-----+
| - value: int |
| + __init__() |
| + set() |
| + get() |
| + __repr__() |
+-----+

```

