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| Loader Linker |  |

**The Loader/Linker consists of:**

1. The absolute SIC loader
2. the loader linker for SICXE

**Loader/Linker is extended to include**

1. Handling Multiple control sections

2. GUI of the memory graph shown in pandas GUI Library

**The input:**

The input is standard HDRTME record or a simple HTE record, it is chosen by the user if the program is SIC or SICXE and based on that the output will be shown as absolute loader or a Linker/Loader

Text

Description automatically generated

Text

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**For SIC:**

It only generates the absolute loader while handling every address possible and exception

**For SICXE pass1:**

Text

Description automatically generated

It generates the External Symbol Table

**For SICXE Pass2 :**

It generates the memory addresses and outputs the memory graph while handling every exception possible

Text

Description automatically generated

**design issues:**

1. The input must be a plain HTE record without separators
2. Be sure to enter the HTE right
3. U must enter a starting Address for the SICXE

**How to use the Loader/Linker :**

1. You must install pandas, pandasGUI, RE
2. You must have the right python extensions and version