



Known section

Type

Import

Function

Table

Memory

byte aligned memory

→ We start at this memory address

Preamble

```
0000000: 0061 736d ; WASM_BINARY_MAGIC  
0000004: 0100 0000 ; WASM_BINARY_VERSION
```

List of all function signatures

```
(type (;0) (func))  
(type (;1) (func (param i32)))  
(type (;2) (func (param i32) (result i64)))  
(type (;3) (func (param i32 i32)))  
(type (;4) (func (param i32) (result i32)))  
(type (;5) (func (param i32 i32) (result i32)))
```

All imports for the module

```
(import "wasi_snapshot_preview1" "fd_write"  
(func $ZN4wasi13lib_generated22wasi_snapshot  
_preview18fd_write17hd912d160882aaf3eE  
(type 8)))
```

List of all the functions

```
(func $start (type 0)  
(local i32)  
block ; label = @1  
call $__original_main  
local.tee @0  
i32.eqz  
br_if @0 (;@1)  
local.get @0  
call $exit  
unreachable  
end)
```

Typed array of references that
can't be stored in linear memory

Linear memory for the module

```
(module  
(memory (export "mem") 1)  
(func (export "fill") (param i32 i32 i32)  
local.get @0  
local.get @1  
local.get @2  
memory.fill))
```

Start

Function called when you run the module

Export

list of all objects that will get returned to the host

Global

definition of global variables

Code

Body of each function

Element

declares the data that gets loaded into the module's Table

Data

data that gets loaded into the module's linear memory