Computer

if

```
i f

p oly
```

```
int x = 7;
x < 10
```

```
int x = 7;
x > 10
```

Statement

Statement

int
$$x = 7$$
;
var $x = 7$

Literal

Literal

$$int x = 7;$$

Literal

$$int x2 = 7;$$

$$int x = 7;$$

```
int x = 7;
int y = 8;
```

```
int myX = 7;
int MyName = 8;
int Z = 9;
```

Reyword

Keyword

$$int x = 7;$$

Keyword

int
$$x = 7$$
;
var $x = 7$

Keyword

```
int x = 7;
int int = 7;
```

Compile {code} → 0101001

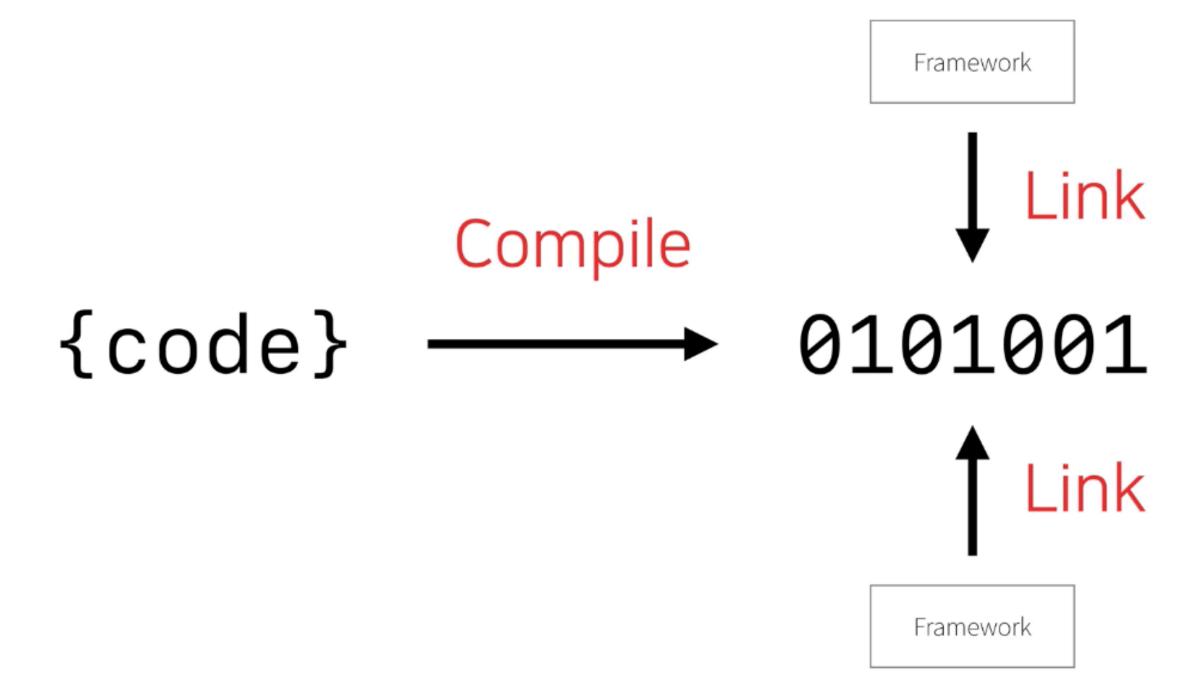
Warning Error

$$int x = 7;$$

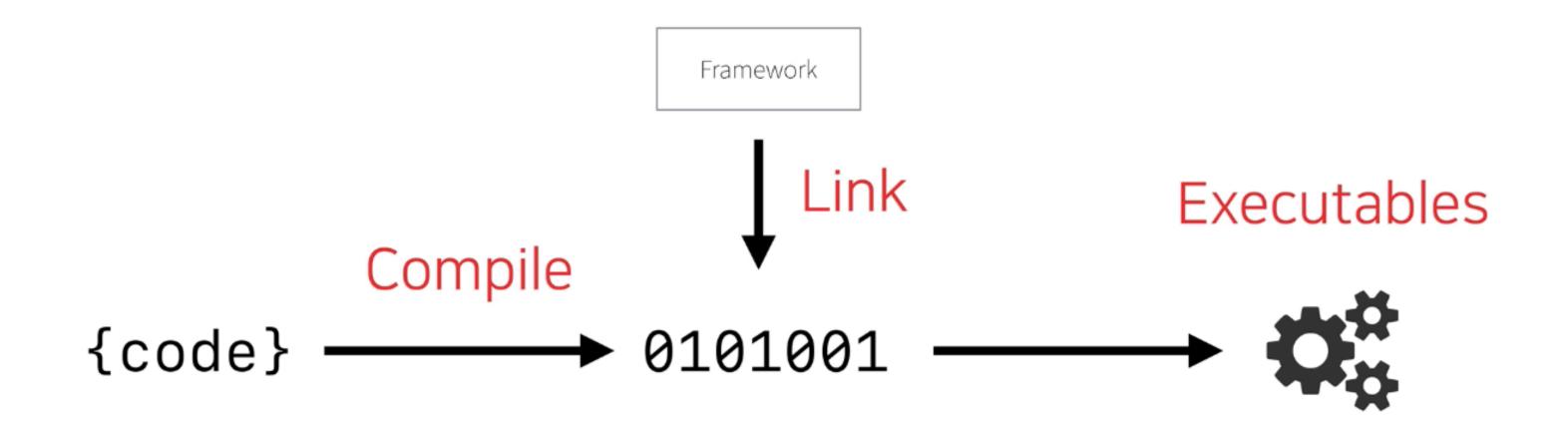
```
int x = 7;
X = 8;
print(x); //8
X = 9;
Print(x); //9
```

```
int int = 7;
int 7x = 7;
```

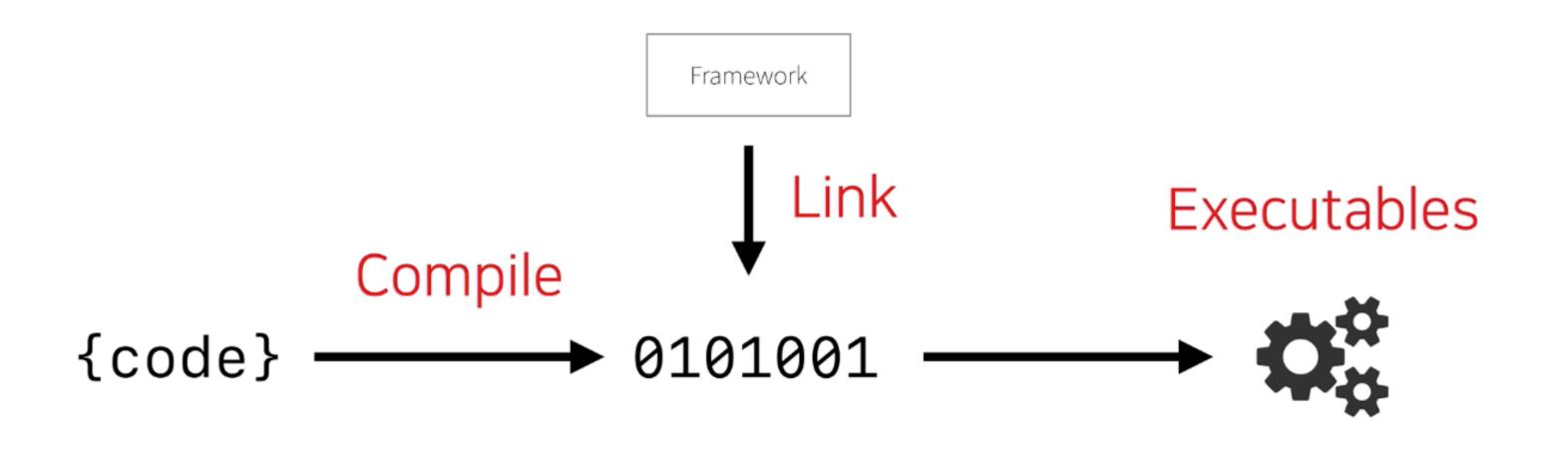

Link



Link



Link



Build

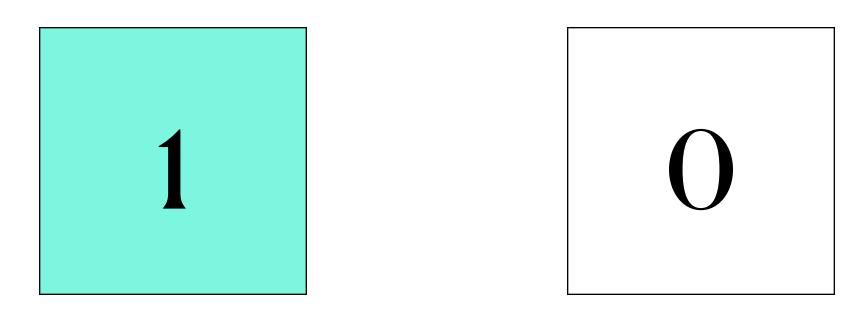
Memory

Memory

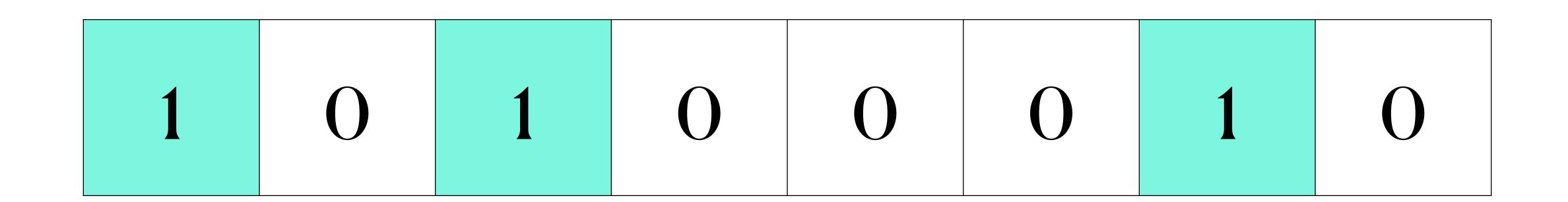
1

Bit

Bit



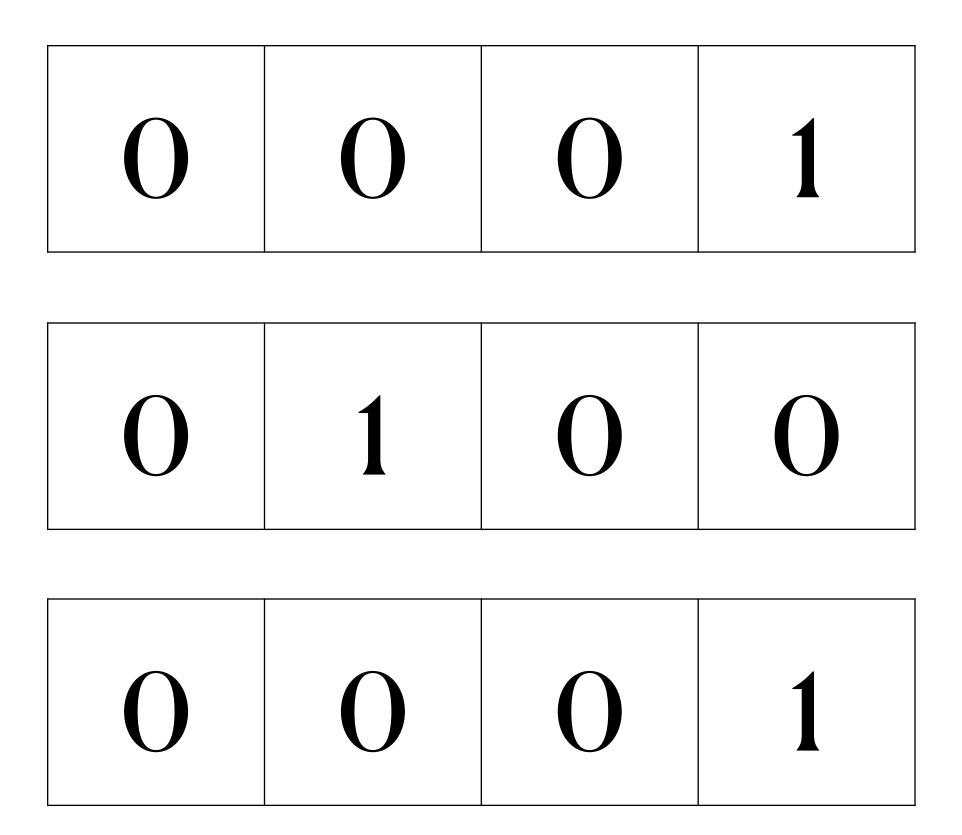
Byte



Byte

1byte	8bit
1kilobyte	1024byte
1megabyte	1024kB
1gigabyte	1024MB
1terabyte	1024GB
1petabyte	1024TB
1exabyte	1024PB
1zettabyte	1024EB
1yottabyte	1024ZB

Byte



1kilobyte Memory

1023	1byte
1022	1byte
1021	1byte
1020	1byte
~	~
3	1byte
2	1byte
1	1byte
O	1byte

Memory

1byte
$$\times 2^{32} = 4,294,967,296$$
 byte = 4GB

Memory

$$1byte \times 2^{64} = 16EB$$