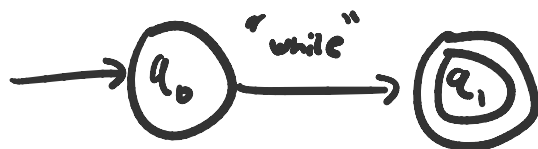


## Identifiers

Regular Expression:  $[A-Za-z]^+$

This regular expression will match one or more alphabetical characters (uppercase or lowercase) in a row

Ex: "while"



$$Q = \{q_0, q_1\}$$

$$q_0 = \{q_0\}$$

$$F = \{q_1\}$$

$$\Sigma = \{\text{"while"}\}$$

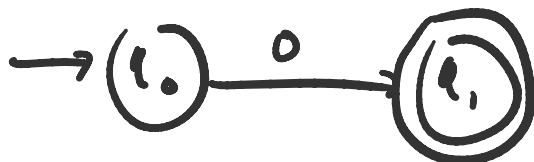


## Integer

Regular Expression:  $[0-9]^+$

This regular expression will match a sequence of one or more digits (0-9)

Ex: 0



$$Q = \{q_0, q_1\}$$

$$q_0 = \{q_0\}$$

$$F = \{q_1\}$$

$$\Sigma = \{0\}$$

