# Matching Expressions and Contracts

Referenced from lesson [Contracts](https://www.bootstrapworld.org/materials/spring2021/en-us/courses/data-science/lessons/contracts/index.shtml) (Spring, 2021)

*Match* the contract (left) with the expression described by the function being used (right).

| Contract |  |  |  | Expression |
| --- | --- | --- | --- | --- |
| # make-id :: String, Number -> Image | **1** |  | **A** | make-id​(​"Savannah", "Lopez", 32​) |
| # make-id :: String, Number, String -> Image | **2** |  | **B** | make-id​(​"Pilar", 17​) |
| # make-id :: String -> Image | **3** |  | **C** | make-id​(​"Akemi", 39, "red"​) |
| # make-id :: String, String -> Image | **4** |  | **D** | make-id​(​"Raïssa", "McCracken"​) |
| # make-id :: String, String, Number -> Image | **5** |  | **E** | make-id​(​"von Einsiedel"​) |

| Contract |  |  |  | Expression |
| --- | --- | --- | --- | --- |
| # is-capital :: String, String -> Boolean | **6** |  | **A** | show-pop​(​"Juneau", "AK", 31848​) |
| # is-capital :: String, String, String -> Boolean | **7** |  | **B** | show-pop​(​"San Juan", 395426​) |
| # show-pop :: String, Number -> Image | **8** |  | **C** | is-capital​(​"Accra", "Ghana"​) |
| # show-pop :: String, String, Number -> Image | **9** |  | **D** | show-pop​(​3751351, "Oklahoma"​) |
| # show-pop :: Number, String -> Number | **10** |  | **E** | is-capital​(​"Albany", "NY", "USA"​) |

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