# Practicing Contracts: Domain & Range

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

Consider the following contract:

is-beach-weather :: Number, String -> Boolean

1 What is the **Name** of this function?

2 How many arguments are in this function’s **Domain**?

3 What is the **type** of this function’s **first argument**?

4 What is the **type** of this function’s **second argument**?

5 What is the **Range** of this function?

6 Circle the expression below that shows the correct application of this function, based on its contract.

1. is-beach-weather​(​70, 90​)
2. is-beach-weather​(​80, 100, "cloudy"​)
3. is-beach-weather​(​"sunny", 90​)
4. is-beach-weather​(​90, "stormy weather"​)

Consider the following contract:

cylinder :: Number, Number, String -> Image

7 What is the **Name** of this function?

8 How may arguments are in this function’s **Domain**?

9 What is the **type** of this function’s **first argument**?

10 What is the **type** of this function’s **second argument**?

11 What is the **type** of this function’s **third argument**?

12 What is the **Range** of this function?

13 Circle the expression below that shows the correct application of this function, based on its contract.

1. cylinder​(​"red", 10, 60​)
2. cylinder​(​30, "green"​)
3. cylinder​(​10, 25, "blue"​)
4. cylinder​(​14, "orange", 25​)

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