Quiz 3 Practice: Datatypes

Question. What are the names of the four datatypes we've covered:

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Question. Make an example of each datatype, without using any functions.

There are unary predicates for the four datatypes:

• image? : any -> boolean
• string? : any -> boolean
• number? : any -> boolean
• boolean? : any -> boolean

Question: Show the result value of each of the following:

"0"


true
"true"
0

(image? "0")

(image? 123)

(string? "0")

(string? 123)

(string? "123")

(string? true)

(string? "true")

(number? 123)

(number? "123")

(number? -1/2)

(number? true)

(boolean? "true")

(boolean? 1)

(boolean? 0)

(boolean? "false")

(boolean? false)
Question: For each of the non-definition expressions here show the result value, or that it's an error:

```scheme
(boolean? True)
abc
"abc"
(string? abc)

(define def 123)
def
"def"
(string? def)
(string? "def")
(number? def)
(number? "def")
```