



WELCOME TO PYTHON CLASS DAY 3

strings

“example”

represents a sequence of
characters.

string

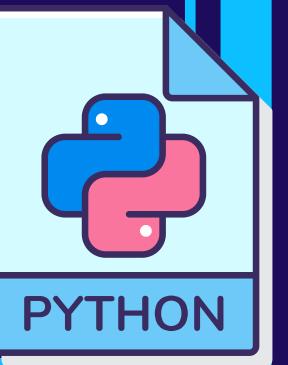
The diagram illustrates the concept of a string as an array of characters. A horizontal grey bracket labeled "string" spans the width of seven rectangular boxes below it. Each box contains a single uppercase letter: E, X, A, M, P, L, and E. These letters represent the individual characters of the word "EXAMPLE".

E X A M P L E



character

VARIABLES



PYTHON

variables are containers
to store values

containers





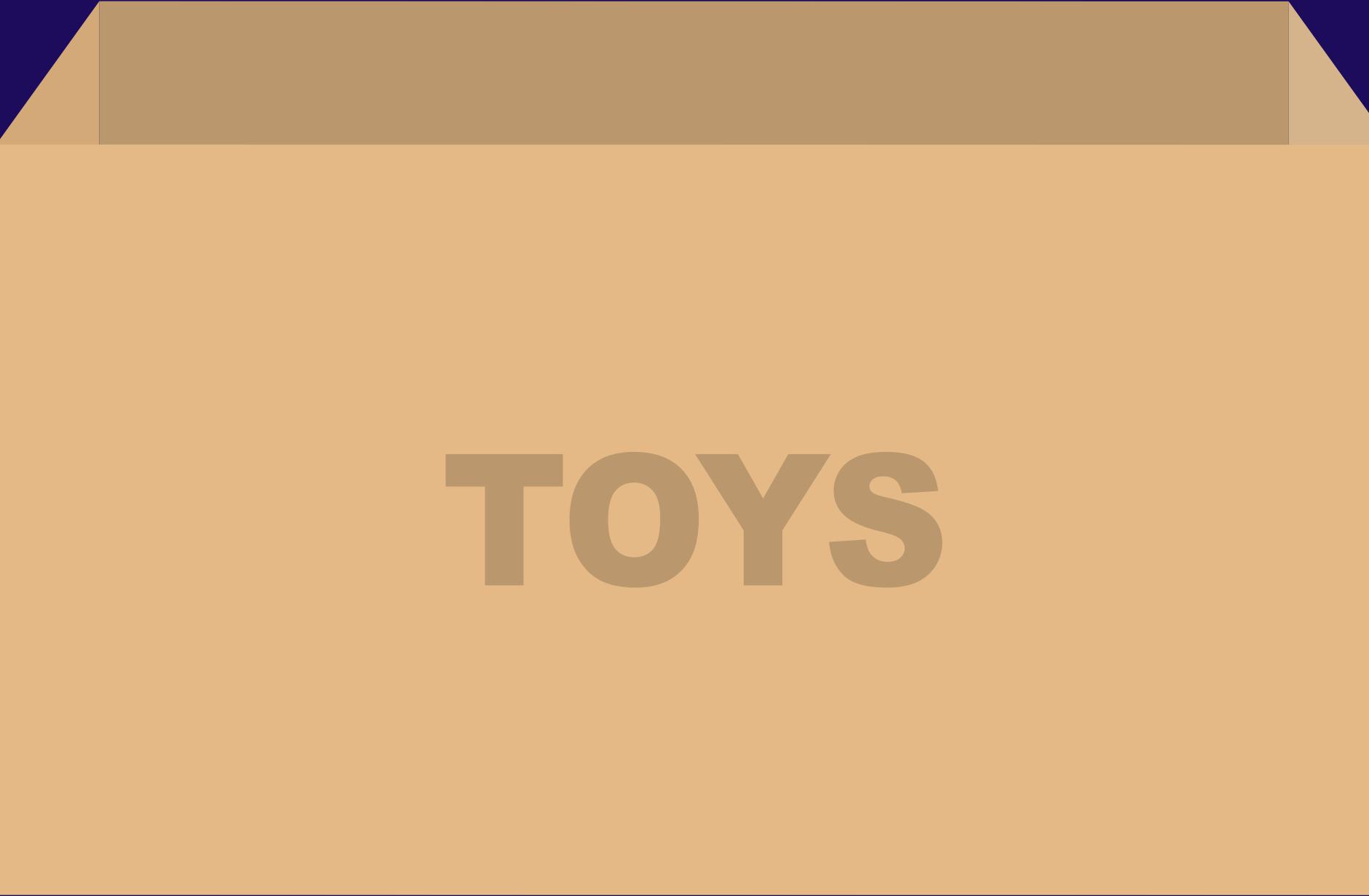
storing
water

glass is a container
water is the value



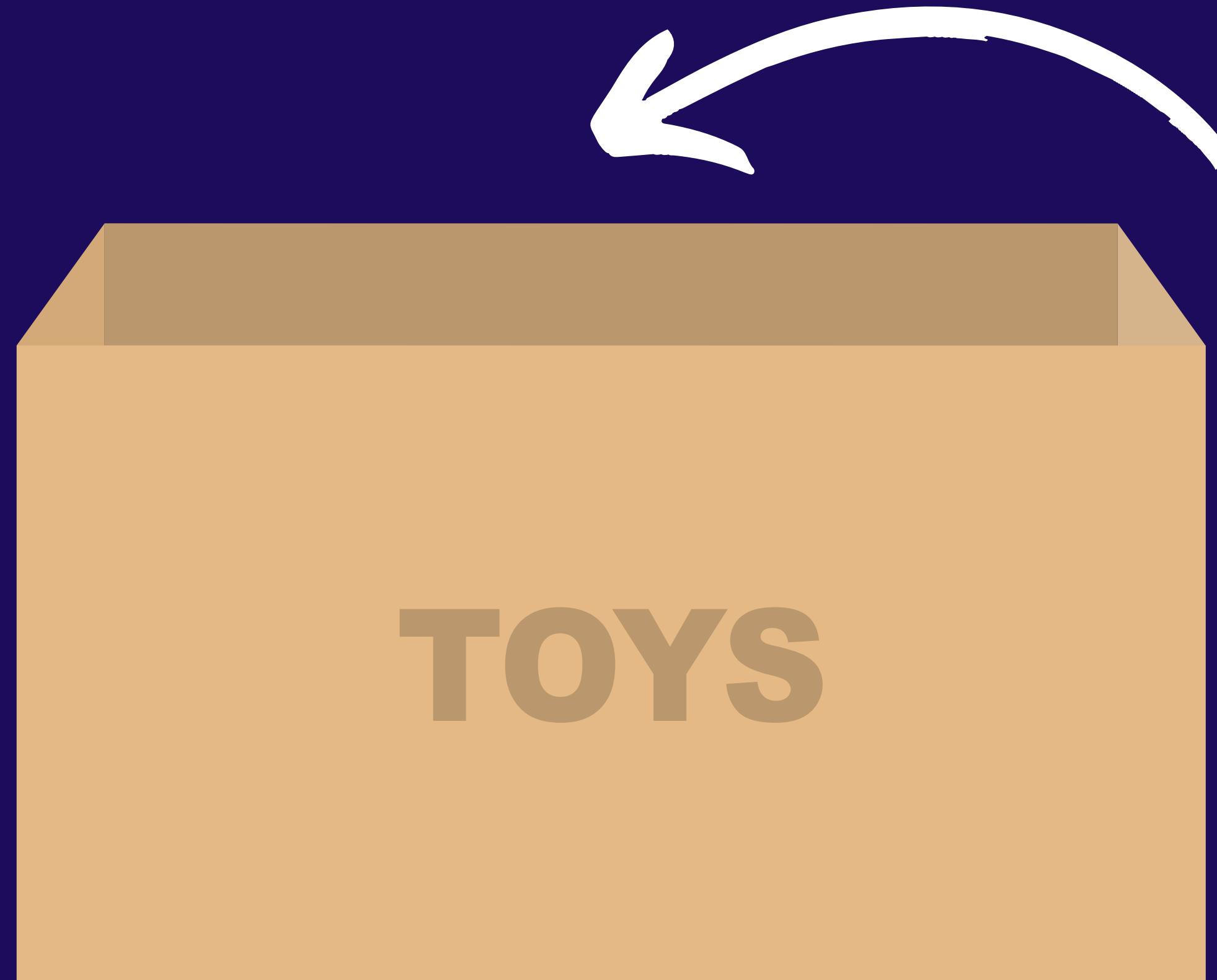
TOY BOX

It's Story Time



TOYS

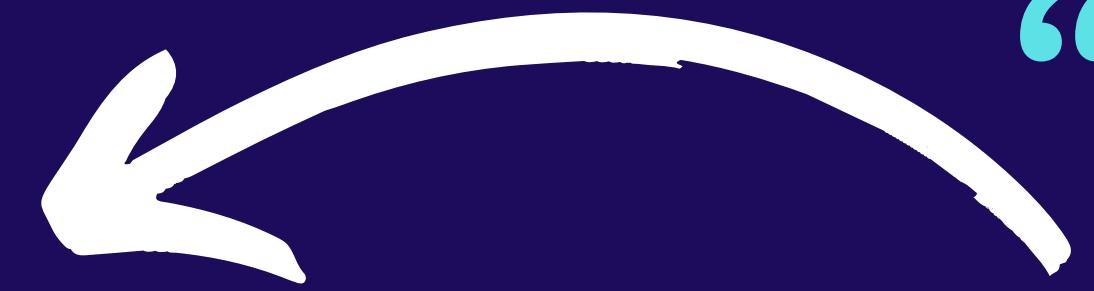
variable



“value”



“value”



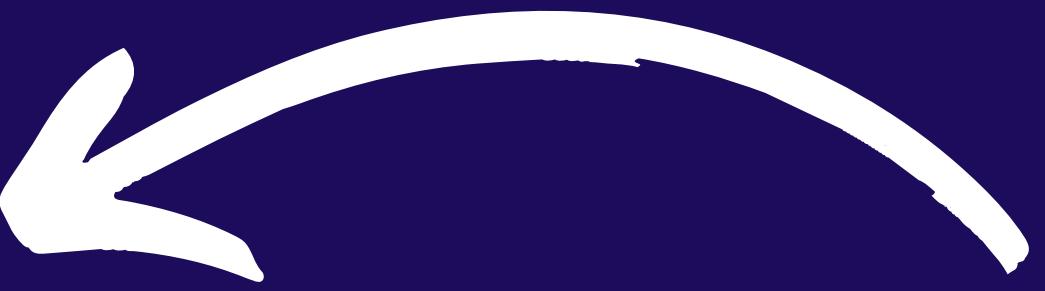
imagine you have a special box where you can put different toys. Let's call it a "Toy Box".

One day, you put a car in the Toy Box. Now, when you say "Toy Box", you mean the **car**.

But then, you take the car out and put a **teddy bear** in the Toy Box instead. Now, when you say "Toy Box", you mean the **teddy**!

So, the Toy Box is like a special name that can hold different things, like a car or a doll. And that's what variables are in programming! A special name that can hold different things.

toy box is a **variable** that holds
different things, like car or a teddy
which are **values**



Variables = “values”

toy_box = “car”

```
name = "Zac"
```

```
print(name)
```

Zac

```
fruit_basket = "Mango, Apple, Banana"  
print(fruit_basket)
```

Mango, Apple, Banana

Python Variable Name Rules

- Must start with a letter or underscore _
- Must consist of letters and numbers and underscores
- Case Sensitive
- **Good:** spam eggs spam23 _speed
- **Bad:** 23spam #sign var.12
- **Different:** spam Spam SPAM