



Python variables

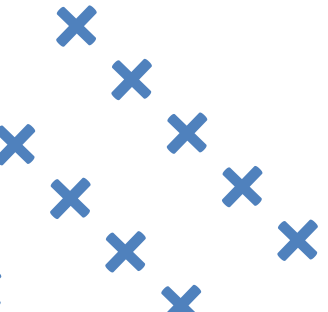


LESSON OBJECTIVES

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- Define Python variables
 - Explore primitive data types
 - Functional illustration
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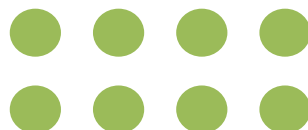
What are variables?

- “Containers” for storing data values
- Naming conventions:
 - Can contain letters, numbers, and underscores
 - Are case-sensitive
 - Cannot be Python keywords
- Use the = operator to assign values to variables.

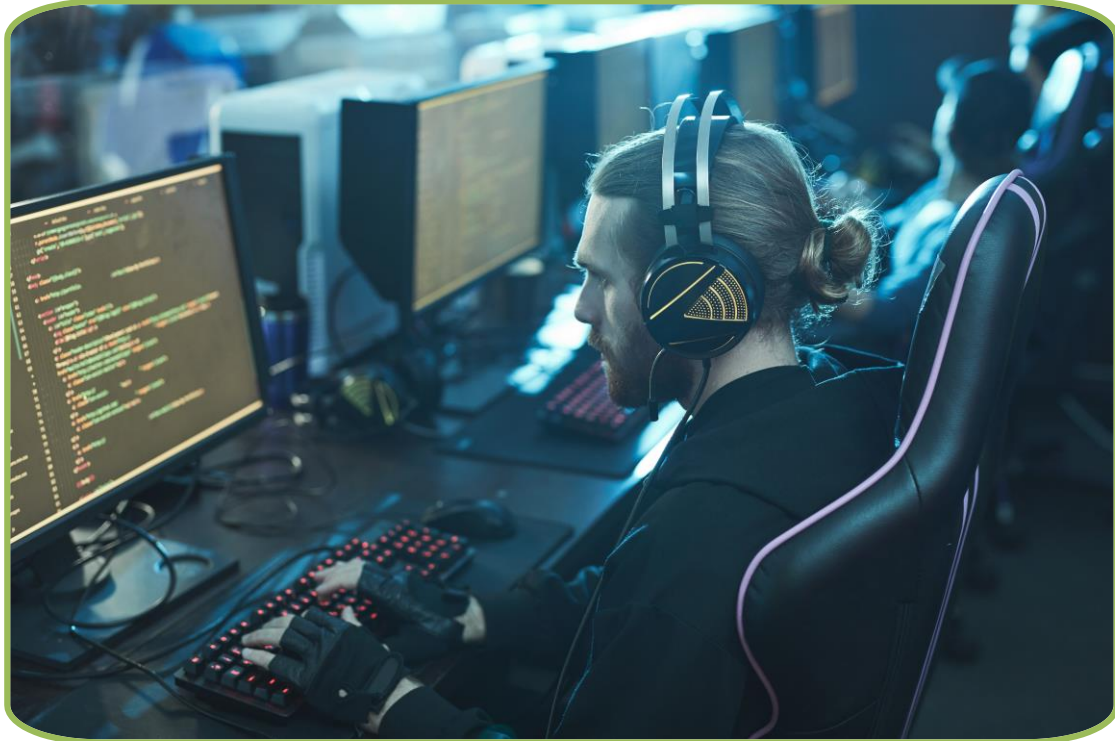
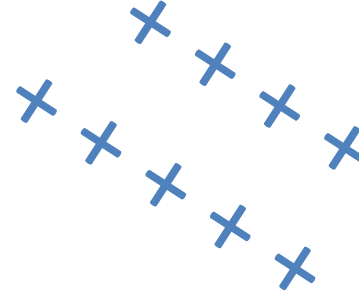


Assigning values to variables

```
x = 5  
name = "Alice"  
pi = 3.14
```



Primitive data types



- **String:** Characters enclosed in single or double quotes.
- **Integer:** Whole numbers that can be positive, negative, or zero.
- **Float:** Real numbers with decimal points.



Assigning values to variables

```
name = "Jack"
```

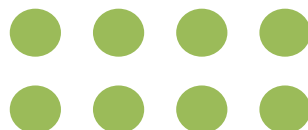
String

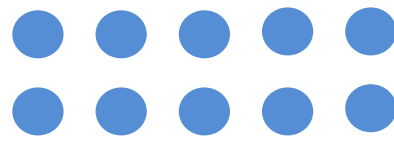
```
age = 22
```

Integer

```
height = 1.75
```

Float





Functional illustration

