LESSON 3: GETTING INFORMATION

OBJECTIVES

Students will be able to:

- Use the input() function to get information from the user.
- Display information and Concatenate values in the print statement.
- Comment their code

STANDARDS

Abstraction and Decomposition: 7-8.CT.5

Modeling and Simulation: 7-8.CT.1

VOCABULARY:

Input, output, concatenate,
string

CODE SYNTAX

name = input(" what is your name?")
print("hello " + name)

WARM UP

HOMEWORK REVIEW

<u>Create three variables that store three different strings. Print the variables all together in one print statement using the + symbol.</u>

Alternative solution

Sample Solution

```
first = "Code "
second = "is "
third = "fun "
print(first + second + third)
```

Try to add a comma instead of +

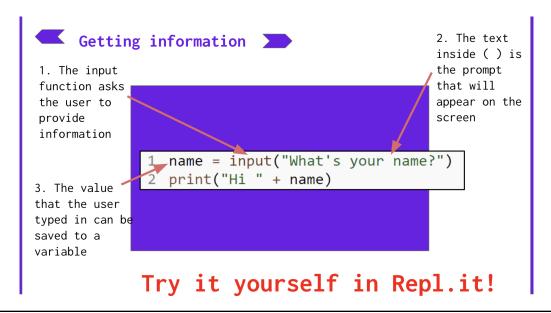
DID YOU GET THE SAME OUTPUT?

You can combine "objects" with commas in between.

Spaces are automatically added in between

LESSON DEVELOPMENT (WHOLE GROUP)

→ What if we want to get information from the user??



Give students some time to type the code in repl.it

CHECK FOR UNDERSTANDING

- 1. What is the name of the function that allows the user to type their name?
- 2. where did the computer save the name?
- 3. What is the output?
- 4. What type of data is the output?

It is important that students understand that the default output is a string

ACTIVITY (WORK IN PAIRS)

Your task

Part#1

Use the input function to ask the user what their favorite color is. Store their response in a variable. Print the color along with the words, "Your favorite color is: " followed by the color that the user gave you.

Sample Solution

```
color = input("What is your favorite color? ")
print("your favorite color is " + color)
```

WHOLE GROUP

COMMENTS

NOW ADD COMMENTS TO THE ABOVE CODE

Comments are statements left as notes in program. Comments are ignored by the p

Single Line Comment

- #Getting the length from the user
 length = input("What is the length of the rectangle?"
 - → Multi Line Comment
- This program calculates the area and perimeter of a rectangle using input from the user.

color = input("What is your favorite color? ")# input from the user
print("your favorite color is " + color)# string concatenation

HOMEWORK-SUMMATIVE ASSESSMENT

Study for the assessment: variables and displaying and getting data (open book assessment including using Google to search)

SUMMARY

BIG IDEA

- Concatenate values in the print statement
- We can use comma to separate values in the print statement.
- Use the input() function to get information from the user.
- It is important to comment your code