LESSON _2 DISPLAYING INFORMATION

OBJECTIVES

Students will be able to:

- Understand that a string has to be wrapped inside a single or double quote
- Display information and Concatenate values in the print statement.

STANDARDS

Abstraction and Decomposition: 7-8.CT.5

Modeling and Simulation: 7-8.CT.1

VOCABULARY:

Input, output, concatenate, string

CODE SYNTAX

```
print("hello " + name)
```

WARM-UP(DISCUSS IN PAIRS)

CODE PREDICTION

Make a prediction: what is the output of each code. Use rep it to check your prediction

Code a:

```
name = Alise Braick
print(name)
```

Code b:

```
name = "Alise Braick"
print(name)
```

CHECK FOR UNDERSTANDING

Which code produces the error message below (code a or code b)? Why?

```
    name = Alise Braick
                ^
SyntaxError: invalid syntax
```

The correct code is **when we wrap the name inside a single/double quote**

String: String is a collection of alphabets, words, or other characters wrapped inside a single or double quotes

LESSON DEVELOPMENT (WHOLE GROUP_LIVE CODING)

LET'S CODE ALONG

Our Task

Create a variable called my_name and store your name in it. Have your program print hello before your name

Sample solution

```
name = "Alise Braick"
print("hello " + name)
```

Teacher makes mistakes while coding along on the smart board: such as no quotations and/or no concatenation ---> that leads to the concept of **string concatenation**

- ➔ If you want to print hello before your name?
  - ◆ For example: hello Alise

- ➔ We need to understand **string concatenation**

String: String is a collection of alphabets, words, or other characters wrapped inside a single or double quotes

concatenation: joining strings together to create a new string can be done using the + operator

```
print("hello " + name)
```

(+) String concatenation

✔ CHECK FOR UNDERSTANDING

Complete the code below so it prints: **nice meeting you Alise**

```
1  name = Alise Braick
```

HOMEWORK_FORMATIVE ASSESSMENT

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

SUMMARY

BIG IDEA

- a string has to be wrapped inside a single or double quote
- **concatenation: joining strings together to create a new string can be done using the + operator**