Mastering Python Basics: Input and Output

Learn how to display output and obtain user input effectively.

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Displaying Output with print()

- The print() function in
  Python is used to display text
  or variables on the screen.

```python
print("Hello, World!")
print("The sum of 2 and 3 is", 2 + 3)
```
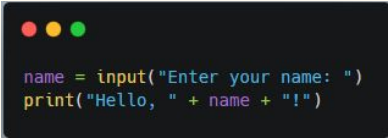
Customizing print() Output

- You can customize the print() function to include multiple arguments and separators.

```python
print("Python", "is", "fun", sep="-")
print("Hello", end=" ")
print("World!")
```

Obtaining User Input with input()

- The input() function allows you to capture user input as a string.

```python
name = input("Enter your name: ")
print("Hello, " + name + "!")
```

Converting User Input

- Convert user input to the required data type using functions like int(), float(), etc.

```python
age = input("Enter your age: ")
age = int(age)
print("You are", age, "years old.")
```

Practical Example: A Simple Calculator

- Combine print() and input() to create a simple calculator.

```python
num1 = float(input("Enter first number: "))
num2 = float(input("Enter second number: "))
print("The sum is", num1 + num2)
```

Recap and Practice

- Use print() to display output.
- Use input() to get user input.
- Convert input as needed.

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