



Python Homework Mission: Your First Conversation

Welcome back, coding superstar! Your mission this week is to become a master conversationalist with your computer. You'll use the `print()` command to make it talk and the `input()` command to make it listen.

Instructions:

- Open your Google Colab notebook.
- Create a new code cell for each task and write your code.
- Remember to save your work!

Task 1: The Robot Interview

Let's start by getting to know your computer. Use the `input()` command to ask the user a few questions. The computer won't remember the answers yet, but it's great practice!

- Write a line of code that asks: "**What is your name?**"
- Write a line of code that asks: "**What is your favorite food?**"
- Write a line of code that asks: "**What is your favorite video game?**"

Task 2: Number Power!

Computers can work with more than just words. Let's see how they handle numbers!

- Write a line of code that asks the user: "**What is your age?**"
- On the next line, write a `print()` command to tell the user you know their age. Your message should be on a **new line** and should include the number they just entered.
 - *Hint:* The computer thinks of a number from `input()` as text. So you can use it directly in a `print()` command.
 - *Example:* If the user enters 10, you can `print("Your age is", 10)`

Task 3: Fancy Printing!

The `print()` command has some special features. Let's practice making our messages look a little nicer.

- Write a **single `print()` command** that prints a message on **three separate lines**.
The message can be anything you want.
 - *Hint:* Use the `\n` character to create a new line.
- Write another **single `print()` command** that prints three different words separated by commas.
 - *Example:* `print("Hello", "world", "again")`

Task 4: The Great Bug Hunt!

Below are a few lines of code with common bugs. Your mission is to find and **fix the bugs** so the code runs correctly! Write the corrected line of code for each one.

1. This line has a missing closing quote:

```
input("What is the capital of France?)
```

2. This line has the wrong kind of quote:

```
input('What's your favorite color?')
```

3. This line is missing the parentheses for the print() command:

```
print "This is a sentence with a bug."
```

4. This line has two different kinds of quotes:

```
print("I said 'hello' to my friend.")
```

Bonus Challenge: Python Mad Libs!

For the ultimate challenge, write a program that asks for three different pieces of information and then prints a silly story using all of the answers.

Your program should:

1. Ask the user for a **place**.
2. Ask the user for a **food**.
3. Ask the user for a **number**.
4. Print a story that uses all three of their answers!

Example (if the user enters 'Moon', 'pizza', and '100'):

```
# The story can be anything you want!
```

```
print("I saw a giant", "pizza", "on the", "Moon", "that was", "100", "feet tall!")
```