Python Basics Worksheet: Personal Information and Quiz

Objective:  
The goal of this worksheet is to practice Python basics by collecting user input, handling different data types, and creating a simple quiz.

# Part 1: Collecting Personal Information

Instructions:  
1. Write a Python program that asks for the following information:  
 - First name  
 - Surname  
 - Age  
  
2. Store these values in variables and display a message that includes all the information. The output should be in the following format:  
 My name is [First Name]  
 I am here  
 My surname is [Surname]  
 I am [Age] years old  
  
Example Output:  
Enter your first name: John  
Enter your surname: Doe  
Enter your age: 25  
My name is John  
I am here  
My surname is Doe  
I am 25 years old  
  
Your Task:  
Write the code below:

# Part 2: Quiz on Python Concepts

Instructions:  
Below is a quiz that will test your knowledge of Python concepts. Choose the correct answer for each question.  
  
1. What is the purpose of the `input()` function in Python?  
 a) To print data to the screen  
 b) To collect user input  
 c) To calculate a mathematical result  
 d) To store a variable's value  
  
2. Which of the following is the correct syntax to convert a string input to an integer in Python?  
 a) `int(input())`  
 b) `str(input())`  
 c) `bool(input())`  
 d) `float(input())`  
  
3. What does the `bool()` function do in Python?  
 a) Converts input into a string  
 b) Converts input into a boolean (True or False)  
 c) Converts input into an integer  
 d) Converts input into a float  
  
4. How do you correctly print a message in Python, combining a string and a variable?  
 a) `print('Hello' + name)`  
 b) `print('Hello' name)`  
 c) `print('Hello, name')`  
 d) `print('Hello', name)`

# Part 3: Python Code Review and Reflection

Instructions:  
1. After completing the personal information program and quiz, reflect on the following questions:  
 - What does the `input()` function do?  
 - How do you use the `bool()` function in Python?  
 - Why do you need to use `int()` to convert string inputs to numbers?  
 - Explain why `print()` can display both strings and variables together.  
  
2. Submit the following:  
 - The Python code you wrote for collecting personal information.  
 - Your answers to the quiz questions.

# Bonus Challenge (Optional)

Modify your program to:  
  
1. Ask for the user’s favorite colour.  
2. Print a message that says: 'My favorite colour is [Colour].'  
  
Write the updated code below:

```python  
# Ask for the user's favorite colour and print the message  
favorite\_colour = input('Enter your favorite colour: ')  
  
# Print the message with the favorite colour  
# Your code goes here...  
```

End of Worksheet