

****Python Input Function Assignment (Solved)****

**Solved Coding Challenge:**

Here is the solution to the coding challenge:

```
```python  
Getting user input
name = input("What is your name? ")
age = int(input("How old are you? "))
favorite_number = float(input("What is your favorite number? "))

Printing the summary
print(f"Hello, {name}! You are {age} years old, and your favorite number is {favorite_number}.")
```
```

****Explanation:****

1. ``input()`` is used to get the user's name.
2. ``int()`` converts the age from a string to an integer.
3. ``float()`` converts the favorite number from a string to a floating-point number.
4. An ``f-string`` is used to dynamically insert the variables into the output string.

**MCQ 1:**

****What does the ``input()`` function return in Python?****

A. An integer.

B. A string.

C. A float.

D. A boolean.

****Answer:** B**

**MCQ 2:**

****Which of the following is the correct way to convert user input into an integer?****

- A. ``int(input("Enter a number: "))``
- B. ``input(int("Enter a number: "))``
- C. ``float(input("Enter a number: "))``
- D. ``bool(input("Enter a number: "))``

****Answer:** A**

**MCQ 3:**

****What happens if a user enters non-numeric data when converting input to an integer using ``int()``?****

- A. The program automatically converts it to ``0``.
- B. It raises a ``ValueError``.
- C. It treats the input as a string.
- D. The program crashes without any error.

****Answer:** B**