**Question 1: Converting Strings to Numbers**

**Convert the string "123" to an integer, and "123.45" to a float.**

Hint: Use the appropriate Python built-in functions for converting strings to numerical types.

**Question 2: Numeric Operations on User Input**

**Ask the user to enter two numbers. Add these numbers together and print the result.**

Hint: Remember that **input()** returns a string, which you'll need to convert to a numeric type to perform addition.

**Question 3: Concatenating Numbers with Strings**

**Given an integer age = 25, create and print a string "You are 25 years old." using string formatting.**

Hint: Use an f-string or the **format()** method to include the integer in the string output.

**Question 4: Checking Conversion Possibility**

**Write a function that checks if a given string can be converted to an integer.**

Hint: Consider using a try-except block to attempt the conversion and handle any exceptions.

**Question 5: Implicit Type Conversion**

**Add an integer and a float. What type is the result?**

Hint: Python automatically converts numeric types to the more general or precise type during arithmetic operations.

**Question 6: Converting Lists to Strings**

**Convert the list ['Python', 'is', 'fun'] to a single string, "Python is fun".**

Hint: Think about a method to join elements of a list into a string, using a space as a separator.

**Question 7: Type Conversion in Conditional Statements**

**Given a variable value = '0', use a conditional statement to print "True" if value is truthy, and "False" otherwise.**

Hint: Directly using a string in a conditional will treat it as truthy unless it's empty. Consider how to convert it to an appropriate type to check its "truthiness" accurately.

**Question 8: Extracting Integers from a String**

**Given the string "123abc456", extract and print the integer value 123456.**

Hint: Use list comprehension or filtering to remove non-numeric characters and then convert the result to an integer.

**Question 9: Rounding Floats During Conversion**

**Convert the float 123.456 to an integer without using the int() function directly, ensuring it rounds to the nearest integer.**

Hint: Explore other built-in functions that can round floats before converting them to integers.

**Question 10: Parsing Boolean Values from Strings**

**Convert the string "True" to its corresponding boolean value.**

Hint: Consider how Python's built-in function evaluates strings to convert them into boolean values.