

## PYTHON

### Assignment

1. Write a Python program that takes a string input from the user and converts it to an integer. Print the integer and its type.
2. Write a Python program that converts a floating-point number to an integer. Print both the original float and the converted integer.
3. Write a Python program that takes an integer input from the user and converts it to a string. Print the string and its type.
4. Write a Python program that converts a string representing a number with decimals to a float. Print the original string and the converted float.
5. Write a Python program that takes a boolean value and converts it to an integer. Print both the original boolean value and the converted integer.
6. Write a Python program that takes an integer input from the user and converts it to a boolean. Print both the original integer and the converted boolean.
7. Write a Python program that takes a list of strings representing numbers and converts each string to an integer. Print the original list and the list of integers.
8. Write a Python program that takes a tuple of floating-point numbers and converts each float to an integer. Print both the original tuple and the new tuple with integers.
9. Write a Python program that converts a complex number to a string and prints both the original complex number and the converted string.

10. Write a Python program that takes a string representing a complex number (e.g., '3+4j') and converts it to a complex number. Print the original string and the converted complex number.
11. Write a Python program that converts an integer to bytes and prints both the original integer and the converted bytes.
12. Write a Python program that takes a bytes object and converts it to a string. Print both the original bytes object and the converted string.
13. Write a Python program that takes a list of integers and converts each integer to a string. Print the original list and the list of strings.
14. Write a Python program that takes a string input from the user and converts it to a boolean. Print both the original string and the converted boolean.
15. Write a Python program that takes a string input from the user and converts it to a list of individual characters. Print both the original string and the list of characters.