Assignment 1

September 1, 2024

```
Assignment: Type Conversion
```

1- Convert a integer to a floatig-point number.

```
[4]: int_num = 24
     float_num = float(int_num)
     print(float_num)
     type(float_num)
```

```
24.0
```

```
[4]: float
```

2- Convert a float to a integer.

```
[5]: float_num = 26.6
     int_num = int(float_num)
     print(int_num)
     type(int_num)
```

```
26
```

```
[5]: int
```

3- Convert a integer to a string.

```
[8]: int_num = 342
     string_num = str(int_num)
     print(string_num)
     type(string_num)
```

```
342
```

```
[8]: str
```

4- Convert a list to a tuple.

```
[11]: list_num = [1, 2, 3, 4, 5]
      tuple_num = tuple(list_num)
      print(tuple_num)
      type(tuple_num)
```

```
(1, 2, 3, 4, 5)
```

[11]: tuple

5- Convert a tuple to a list.

[13]:
```python
tuple_num = (9, 8, 7, 6, 5)
list_num = list(tuple_num)
print(list_num)
type(list_num)
```

```
[9, 8, 7, 6, 5]
```

[13]: list

6- Convert a decimal number to binary.

[19]:
```python
decimal_num = 57
binary_num = bin(decimal_num)[2:]
print(binary_num)
```

```
111001
```

7- Convert a non-zero number to boolean.

[22]:
```python
non_zero_num = 55
bool_num = bool(non_zero_num)
print(bool_num)
```

```
True
```