**11-07-25 ASSIGNMENT**

**Task:1. Create a table to show which data conversions are possible and which are not.**

|  | int | float | complex | string | list | tuple | set | dict | bool | frozenset | range |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| int | T | T | T | T | F | F | F | F | T | F | F |
| float | T | T | T | T | F | F | F | F | T | F | F |
| complex | F | F | T | T | F | F | F | F | T | F | F |
| string | T | T | T | T | T | T | T | T | T | T | F |
| list | F | F | F | T | T | T | T | T | T | T | F |
| tuple | F | F | F | T | T | T | T | T | T | T | F |
| set | F | F | F | T | T | T | T | F | T | T | F |
| dict | F | F | F | T | T | T | F | T | T | F | F |
| bool | T | T | T | T | F | F | F | F | T | F | F |
| frozenset | F | F | F | T | T | T | T | F | T | T | F |
| range | F | F | F | T | T | T | T | F | T | F | T |

**2. Research how to convert a positive integer to binary format. Vice versa also.**

**Int to Binary:**

**num1 = 4**

**print(bin(num1))**

**output:**

0b100

**Binary to Int :**

**binary\_number = "1111"**

**print(int(binary\_number,2))**

**Output:**

15