**Task 2 Day 2**

**Date 7th Jan 2021**

**How do you copy by value a composite data type?**

There are 3 ways to copy by value for composite data types.

1. Using the spread (...) operator
2. Using the Object.assign() method
3. Using the JSON.stringify() and JSON.parse() methods

**1. Using the spread (...) operator**

* Spread operator allows an iterable to expand in places where 0+ arguments are expected.
* It is mostly used in the variable array where there is more than 1 values are expected.
* It allows us the privilege to obtain a list of parameters from an array.

**2. Object.assign() method**

* The Object.assign() method copies all enumerable own properties from one or more source objects to a target object.
* It returns the target object.

**3. Using JSON.parse() and JSON.stringify()**

* JSON.parse() takes a JSON string and transforms it into a JavaScript object.
* JSON.stringify() takes a JavaScript object and transforms it into a JSON string.
* Using JSON.parse() and JSON.stringify() for copy performs deep copy .