

CHEAT SHEET FOR SPREAD OPERATOR

Spread syntax can be used when all elements from an object or array need to be included in a list of some kind.

Spread syntax(...) allows an iterable such as an array expression or string to be expanded in places where zero or more arguments (for function calls) or elements (for array literals) are expected, or an object expression to be expanded in places where zero or more key-value pairs (for object literals) are expected.

Below both program have the same output [1, 2, 3, 4, 5, 6, 7, 8, 9, 10].

```
Ex:  let arr1 = [1, 2, 3, 4, 5];
      let arr2 = [6, 7, 8, 9, 10];
      let combinedArr = [...arr1, ...arr2];
      console.log(combinedArr);
```

```
Ex:  let arr1 = [1, 2, 3, 4, 5];
      let arr2 = [6, 7, 8, 9, 10];
      let arr1.push(...arr2);
```

O/P: [1, 2, 3, 4, 5, 6, 7, 8, 9, 10]

```
Ex:  let arr = [1, 2, 3, 4, 5];
      let sumOfArr = (a, b, c, d, e) => {
        return a+b+c+d+e;
      }
      console.log(sumOfArr(...arr));
```

O/P: 15

We can use Spread Operator for object as well.

```
Ex:  let prop12 = {
        fname: "Manish",
        lname: "Rathod"
      };
      let prop34 = {
        id: 101,
        email: "manish.rathod@bacancy.com"
      }
      let finalObj = { ...prop12, prop34 };
      console.log(finalObj);
```

```
O/P: {
      fname: "Manish",
      lname: "Rathod",
      id: 101,
      email: "manish.rathod@bacancy.com"
    }
```