Prompts

Select five methods that can be used on an Array and describe the following for each: 1) what the method signature is, 2) what the method does, and 3) why would this method be useful (how could you use it)?

The five methods that can be used on an Array are as below.
1. Join – concatenates the array into a string
2. Length – returns the number of elements in an array
3. Push – adds items to the end of an array
4. Reverse – returns the array in reverse order
5. Splice – returns an array by changing its elements in place
   (source – programiz.com/javascript/library/array)

For the listed methods they could be useful in the following ways, and how I would use them are as follows:

1. Join – this returns a new string by concatenating the elements of an array specified by a separator. i.e. let sentence = ["Shannon", "is", "struggling"] and I were to create a function say mergeSentence = sentence.join(""); then console.log (mergeSentence); the output would read Shannon is struggling
2. Length – this works by returning the number of sets in the array i.e. [14, 3, 64, 21] if I were to say array.length then console.log(array.length) the output would be 4
3. Push – – this works by adding additional strings to the current array i.e. [apple, banana, orange] and then when I join by adding [pineapple, cucumber, watermelon] the result would be [apple, banana, orange, pineapple, cucumber, watermelon]
4. Reverse – this would return the array in reverse so if I had ["Mon", "Tues", "Wed",] and I were to use the array.reverse I would end up with ["Wed", "Tues", "Mon"]
5. Splice - this will return the deleted elements from the array so I could use this to filter out an element or swap it to something else

What is the difference between == and ===?
The difference between == and === is that == is that == compares two variables and ignores the datatype while === compares the two variables while comparing the datatype also.