String - Practice Problems

Do the given problems using JavaScript.

1. Write a Program to check whether a string is blank or not.

2. Write a Program to split a string and convert it into an array of words.

   Example:- Input: "Hello World"

   Output: ["Hello", "World"]

3. Write a Program to test whether the character at the provided (character) index is upper case.

   Example:- Input: 'JavaScript', 1

   Output: false

4. Write a Program to convert a string in abbreviated form.

   Example:- Input: 'Virat Kohli'

   Output:- Virat K.

5. Write a Program to reverse words in a given string.

   Example:- Input: "abc", "Hello World", 1234

   Output: "cba", "olleH dlroW", It must be a string.

Solutions

1.

```
is_Blank =  function(input) {
        if (input.length === 0)
        return true;
        else
        return false;
    }
console.log(is_Blank(''));
console.log(is_Blank('abc'));
```

2.

```
string_to_array = function (str) {
    return str.trim().split(" ");
};
console.log(string_to_array("Hello World"));
```

3.

```
function isUpperCaseAt(str, index) {
 return str.charAt(index).toUpperCase() === str.charAt(index);
    }
console.log(isUpperCaseAt('JavaScript', 1));
```

4.

```
abbrev_name = function (str1) {
    var split_names = str1.trim().split(" ");
    if (split_names.length > 1) {
        return (split_names[0] + " " + split_names[1].charAt(0) + ".");
    }
    return split_names[0];
};
console.log(abbrev_name("Virat Kohli"));
```

5.

```
function test(text) {
    if (text.length === 0)
     {
     return 'String should not be empty!'
     }
    if (typeof text !== 'string')
     {
        return 'It must be a string.'
     }
```

```
  text= " " + text;
  var reverse_word = "";
  var word = "";
  for (var i = text.length-1; i >=0 ; i--) {
    if(text[i]===' '){
      reverse_word = word + " " + reverse_word;
      word = "";
    }
    else{
      word+=text[i];
    }
  }
  return reverse_word
}
console.log(test("abc"))
console.log(test("Hello World"))
console.log(test(1234))
```