JS (Part 6)
Practice Solutions

Ans 1

```
let arr = [8, 9, 10, 1, 2, 3, 4, 5, 6, 7];
let num = 5;

//elements larger than a number num
function getElements(arr, num) {
    for (let i = 0; i < arr.length; i++) {
        if (arr[i] > num) {
            console.log(arr[i]);g
        }
    }
}

getElements(arr, num);
```

Ans 2

```
let str = "abcdabcdefgggh";

//function to get String with all unique elements
function getUnique(str) {
    let ans = "";
```

```
    for (let i = 0; i < str.length; i++) {
        let currChar = str[i];
        if (ans.indexOf(currChar) == -1) {
        //if current character is not added, then add it in
ans.
        //Otherwise it is a duplicate.
            ans += currChar;
        }
    }

    return ans;
}

getUnique(str);
```

Ans 3

```
let country = ["Australia", "Germany", "United States of
America"];

function longestName(country) {
    let ansIdx = 0;
    for (let i = 0; i < country.length; i++) {
        let ansLen = country[ansIdx].length;
        let currLen = country[i].length;
        if (currLen > ansLen) {
            ansIdx = i;
```

```
            }
        }
    return country[ansIdx];
}


longestName(country);
```

Ans 4

```
let str = "apnacollege";

function countVowels(str) {
    let count = 0;
    for (let i = 0; i < str.length; i++) {
        if (
            str.charAt(i) == "a" ||
            str.charAt(i) == "e" ||
            str.charAt(i) == "i" ||
            str.charAt(i) == "o" ||
            str.charAt(i) == "u"
        ) {
            count++;
        }
    }

    return count;
```

```
}
```

Ans 5

```
let start = 100;
let end = 200;

function generateRandom(start, end) {
    let diff = end - start;
    return Math.floor(Math.random() * diff) + start;
}
```