

## 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]);
    }
  }
}

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;
}
```