

## 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;  
}
```