\*\*Using Anonymous Functions and IIFE:\*\*

1. Print odd numbers in an array:

```javascript

(function() {

const numbers = [1, 2, 3, 4, 5, 6, 7, 8, 9];

for (const number of numbers) {

if (number % 2 !== 0) {

console.log(number);

}

}

})();

2. Convert all the strings to title caps in a string array:

```javascript

(function() {

const strings = ["hello", "world", "javascript"];

const titleCaseStrings = strings.map(function(str) {

return str.charAt(0).toUpperCase() + str.slice(1);

});

console.log(titleCaseStrings);

})();

```

3. Sum of all numbers in an array:

```javascript

(function() {

const numbers = [1, 2, 3, 4, 5];

const sum = numbers.reduce(function(total, num) {

return total + num;

}, 0);

console.log(sum);

})();

```

4. Return all the prime numbers in an array:

```javascript

(function() {

function isPrime(num) {

if (num <= 1) return false;

for (let i = 2; i <= Math.sqrt(num); i++) {

if (num % i === 0) {

return false;

}

}

return true;

}

const numbers = [1, 2, 3, 4, 5, 6, 7, 8, 9];

const primeNumbers = numbers.filter(function(num) {

return isPrime(num);

});

console.log(primeNumbers);

})();

```

5. Return all the palindromes in an array:

```javascript

(function() {

function isPalindrome(str) {

const reversedStr = str.split('').reverse().join('');

return str === reversedStr;

}

const strings = ["level", "hello", "deified", "world"];

const palindromes = strings.filter(function(str) {

return isPalindrome(str);

});

console.log(palindromes);

})();

```

\*\*Using Arrow Functions:\*\*

1. Print odd numbers in an array:

```javascript

const numbers = [1, 2, 3, 4, 5, 6, 7, 8, 9];

const oddNumbers = numbers.filter(number => number % 2 !== 0);

console.log(oddNumbers);

```

2. Convert all the strings to title caps in a string array:

```javascript

const strings = ["hello", "world", "javascript"];

const titleCaseStrings = strings.map(str => str.charAt(0).toUpperCase() + str.slice(1));

console.log(titleCaseStrings);

```

3. Sum of all numbers in an array:

```javascript

const numbers = [1, 2, 3, 4, 5];

const sum = numbers.reduce((total, num) => total + num, 0);

console.log(sum);

```

4. Return all the prime numbers in an array:

```javascript

const isPrime = num => {

if (num <= 1) return false;

for (let i = 2; i <= Math.sqrt(num); i++) {

if (num % i === 0) {

return false;

}

}

return true;

};

const numbers = [1, 2, 3, 4, 5, 6, 7, 8, 9];

const primeNumbers = numbers.filter(num => isPrime(num));

console.log(primeNumbers);

```

5. Return all the palindromes in an array:

```javascript

const isPalindrome = str => {

const reversedStr = str.split('').reverse().join('');

return str === reversedStr;

};

const strings = ["level", "hello", "deified", "world"];

const palindromes = strings.filter(str => isPalindrome(str));

console.log(palindromes);

\*\*OUTPUT

Using Anonymous Functions and IIFE:\*\*

1. Print odd numbers in an array:

Output:

```

1

3

5

7

9

```

2. Convert all the strings to title caps in a string array:

Output:

```

[ 'Hello', 'World', 'Javascript' ]

```

3. Sum of all numbers in an array:

Output:

```

15

```

4. Return all the prime numbers in an array:

Output:

```

[ 2, 3, 5, 7 ]

```

5. Return all the palindromes in an array:

Output:

```

[ 'level', 'deified' ]

```

\*\*Using Arrow Functions:\*\*

1. Print odd numbers in an array:

Output:

```

[1, 3, 5, 7, 9]

```

2. Convert all the strings to title caps in a string array:

Output:

```

[ 'Hello', 'World', 'Javascript' ]

```

3. Sum of all numbers in an array:

Output:

```

15

```

4. Return all the prime numbers in an array:

Output:

```

[ 2, 3, 5, 7 ]

```

5. Return all the palindromes in an array:

Output:

```

[ 'level', 'deified' ]

```

These are the expected results for the provided code snippets.