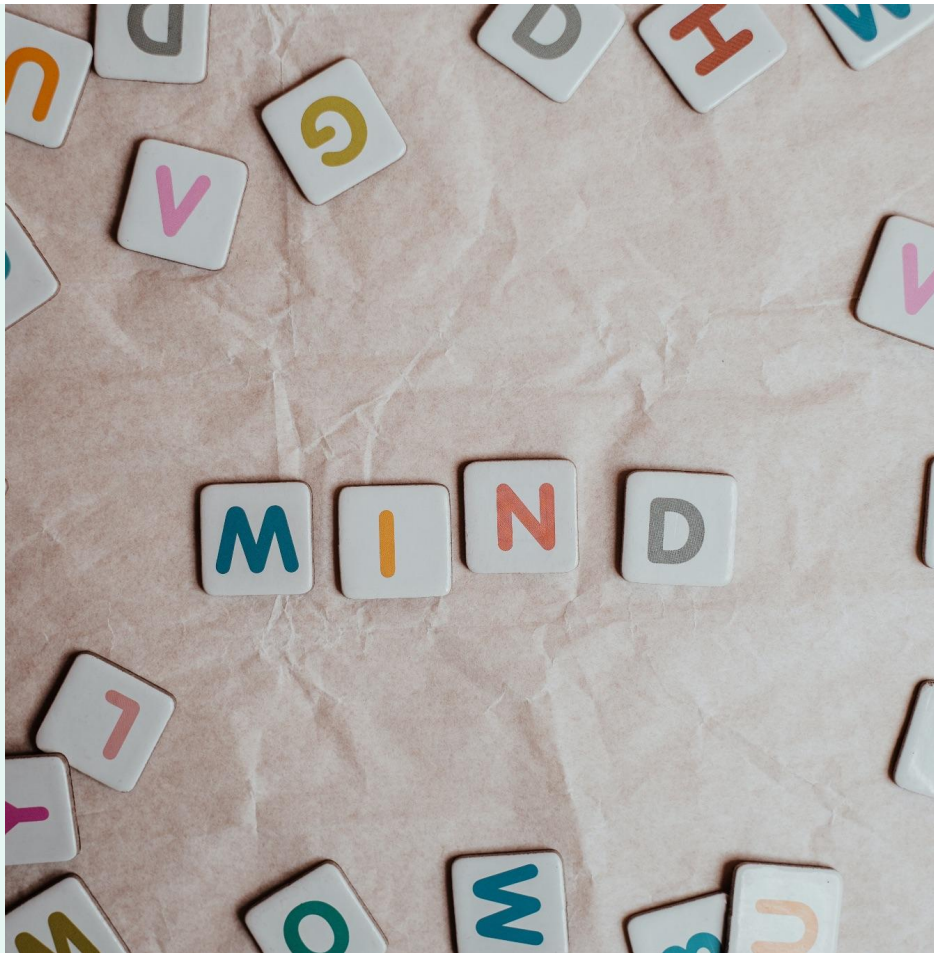


# Strings

By Pranjal Nadhani



# Array of Characters

"hello world"

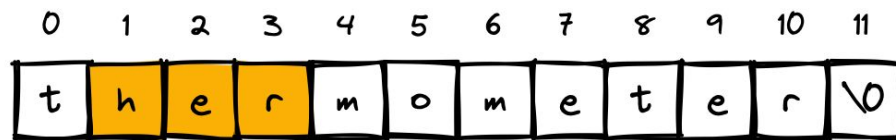
0	1	2	3	4	5	6	7	8	9	10	11
h	e	l	l	o		w	o	r	l	d	\0

```
const days = [  
    "Sunday",  
    "Monday",  
    "Tuesday",  
    "Wednesday",  
    "Thursday",  
    "Friday",  
    "Saturday"  
]
```

# Search for sub-string

```
function searchInString(S, subString) {  
  let j = 0;  
  for (let i = 0; i < S.length; i++) {  
    while (S[i] === subString[j]) {  
      i++;  
      j++;  
      if (j === subString.length) {  
        return true;  
      }  
    }  
    i = i - j;  
    j = 0;  
  }  
  
  return false;  
}
```

term = her

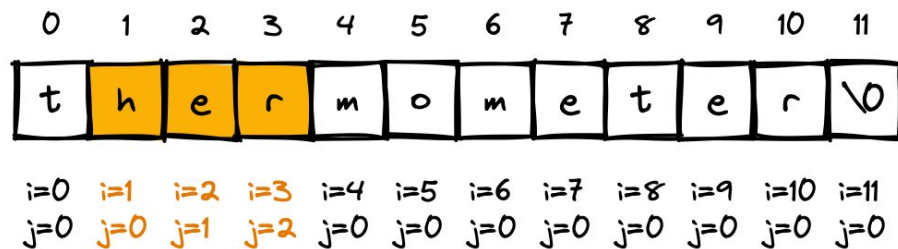


i=0	i=1	i=2	i=3	i=4
j=0	j=0	j=1	j=2	j=3

# Search for sub-string

```
function searchInString(S, subString) {  
  let j = 0;  
  for (let i = 0; i < S.length; i++) {  
    while (S[i] === subString[j]) {  
      i++;  
      j++;  
      if (j === subString.length) {  
        return true;  
      }  
    }  
    i = i - j;  
    j = 0;  
  }  
  
  return false;  
}
```

term = here



```
function isPalindrome(S) {  
  const n = S.length - 1;  
  const halfLength = Math.floor(S.length / 2);  
  for (let i = 0; i < halfLength; i++) {  
    if (S[i] !== S[n - i]) {  
      return false;  
    }  
  }  
  
  return true;  
}
```

