

# Basic Problem Solving: Conditional Statements, Iterative Statements, Functions Assignment Solutions



## Assignment Solutions

1. Create a program where you will be given a list of names of the people along with their designation, based on the name you type in from the input field of the given html file, the relevant designation of the person will be displayed.

Following are the designation of the people:

Alex is a Developer

John is an Artist

Strek is a Singer

Smith is an Actor

**Solution:**

**HTML Code:**

```
<html>
<body>
Enter Name: <input type=text id=name >
<button onclick="designation()">Get Designation</button>
<p id="designation"></p>
</body>
</html>
```

**Javascript Code:**

```
var data={
  'Alex':'Developer',
  'John':'Artist',
  'Strek':'Singer',
  'Smith':'Actor'
}

function designation(){
  let empName=document.getElementById("name").value;
  if(data[empName]!= undefined){
    document.getElementById("designation").innerHTML = empName + " is "
    "+data[empName]
  }
}
```

## Output:

Enter Name:

Alex is Developer

To run the code live and test click [here](#).

## 2. Create a program to print all the palindromes under 50.

### Solution:

```
function isPalindrome(num) {
    let length = num.length;
    for(let idx=0;idx<length/2;idx++){
        if (num[idx] !== num[length - 1 - idx]) {
            return false;
        }
    }
    return true;
}

for(let i=1;i<=50;i++){
    if(isPalindrome(i.toString())){
        console.log(i);
    }
}
```

## Output:

1  
2  
3  
4  
5  
6  
7  
8  
9  
11  
22  
33  
44

To run the code live and test click [here](#).