

Program : Array Functions Using Switch Case.

```
<html>
<body>
<script>
document.write("<b>1. LENGTH OF ARRAY" + "<br>")
document.write("2. PUSH" + "<br>")
document.write("3. UNSHIFT" + "<br>")
document.write("4. SORTING OF ARRAY" + "<br>")
document.write("5. REVERSE OF ARRAY" + "<br>")
document.write("6. JOIN" + "<br>")
document.write("7. CONCAT" + "<br>")
document.write("8. SHIFT" + "<br>")
document.write("9. POP" + "<br>")
document.write("10. SPLICE" + "<br></b>")
var ch = parseInt(prompt("Enter your choice"))
document.write("<br><hr><b>You Have Selected Option:" + ch + "</b><br>")
var a = [6,2,8,3,9]
var i;
switch(ch)
{
case 1:
    document.write("<br><hr>ARRAY IS:")
    for ( i = 0; i < a.length; i++) {
        document.write("<br>" + a[i])
    }
    document.write("<br><hr>LENGTH OF ARRAY IS: " + a.length)
    break;

case 2:
    document.write("<br><hr>LENGTH OF ORIGINAL ARRAY IS: " + a.length)
    a.push(11)
    a.push(10)
    document.write("<br><hr>11 IS PUSHED")
    document.write("<br><hr>10 IS PUSHED")
    document.write("<br><hr>LENGTH OF ARRAY AFTER PUSH IS: " + a.length)
    document.write("<br><hr>ARRAY IS:")
    for ( i = 0; i < a.length; i++) {
        document.write("<br>" + a[i])
    }
    break;

case 3:
    document.write("<br><hr>LENGTH OF ORIGINAL ARRAY IS: " + a.length)
    a.unshift(15)
    document.write("<br><hr>15 IS ADDED<hr>")
    document.write("<br><hr>LENGTH OF ARRAY AFTER UNSHIFT IS: " + a.length)
    document.write("<br><hr>ARRAY IS:<hr>")
    for ( i = 0; i < a.length; i++) {
        document.write("<br>" + a[i])
    }
}
```

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```
break;
```

case 4:

```
document.write("<br><hr>ORIGINAL ARRAY IS: ")
for ( i = 0; i < a.length; i++){
    document.write("<br>" +a[i])
}
a.sort()
document.write("<br><hr>ARRAY AFTER SORT IS:")
for ( i = 0; i < a.length; i++) {
    document.write("<br>" +a[i])
}
break;
```

case 5:

```
document.write("<br><hr>ORIGINAL ARRAY IS: ")
for ( i = 0; i < a.length; i++){
    document.write("<br>" +a[i])
}
var r = a.sort()
document.write("<br><hr>ARRAY AFTER REVERSE IS:")
document.write("<br>" +r.reverse())
break;
```

case 6:

```
document.write("<br><hr>ORIGINAL ARRAY IS: ")
for ( i = 0; i < a.length; i++){
    document.write("<br>" +a[i])
}
document.write("<br><hr>ARRAY AFTER JOIN IS: ")
a.join(',')
document.write("<br>" +a)
break;
```

case 7:

```
var b = [80,90,100]
document.write("<br><hr>ORIGINAL ARRAY IS: ")
for ( i = 0; i < a.length; i++){
    document.write("<br>" +a[i])
}
var c= a.concat(b)
document.write("<br><hr>ARRAY AFTER CONCAT IS: ")
for ( i = 0; i < c.length; i++) {
    document.write("<br>" +c[i])
} break;
```

case 8:

```
document.write("<br><hr>ORIGINAL ARRAY IS: ")
for ( i = 0; i < a.length; i++){
    document.write("<br>" +a[i])
}
a.shift()
```

Practical No. 3: Develop JavaScript to implements Array functionalities

```
document.write("<br><hr>ARRAY AFTER SHIFT IS: ")
for ( i = 0; i < a.length; i++) {
    document.write("<br>" + a[i])
}
break;
```

case 9:

```
document.write("<br><hr>ORIGINAL ARRAY IS: ")
for ( i = 0; i < a.length; i++){
    document.write("<br>" + a[i])
}
a.pop();
a.pop();
document.write("<br><hr>ARRAY AFTER POPPING TWO ELEMENTS IS: ")
for ( i = 0; i < a.length; i++) {
    document.write("<br>" + a[i]);
}
break;
```

case 10:

```
document.write("<br><hr>ORIGINAL ARRAY IS: ")
for ( i = 0; i < a.length; i++){
    document.write("<br>" + a[i])
}
a.splice(2)
document.write("<br><hr>ARRAY AFTER SPLICE IS: ")
for ( i = 0; i < a.length; i++) {
    document.write("<br>" + a[i]);
}
break;
```

default:

```
document.write("<BR><hr>ENTER VALID INPUT!!!")
}
</script>
</body>
</html>
```

OUTPUT:

| |
|----------------------------|
| 1. LENGTH OF ARRAY |
| 2. PUSH |
| 3. UNSHIFT |
| 4. SORTING OF ARRAY |
| 5. REVERSE OF ARRAY |
| 6. JOIN |
| 7. CONCAT |
| 8. SHIFT |
| 9. POP |
| 10. SPLICE |

Fig. Menu Of Functions

| |
|-----------------------------------|
| You Have Selected Option:1 |
| ARRAY IS: |
| 6 |
| 2 |
| 8 |
| 3 |
| 9 |
| LENGTH OF ARRAY IS: 5 |

Fig. Length Operation

| |
|-----------------------------------|
| You Have Selected Option:2 |
| LENGTH OF ORIGINAL ARRAY IS: 5 |
| 11 IS PUSHED |
| 10 IS PUSHED |
| LENGTH OF ARRAY AFTER PUSH IS: 7 |
| ARRAY IS: |
| 6 |
| 2 |
| 8 |
| 3 |
| 9 |
| 11 |
| 10 |

Fig. Push Operation

| |
|-------------------------------------|
| You Have Selected Option:3 |
| LENGTH OF ORIGINAL ARRAY IS: 5 |
| 15 IS ADDED |
| LENGTH OF ARRAY AFTER UNSHIFT IS: 6 |
| ARRAY IS: |
| 15 |
| 6 |
| 2 |
| 8 |
| 3 |
| 9 |

Fig. Unshift Operation

| |
|-----------------------------------|
| You Have Selected Option:4 |
| ORIGINAL ARRAY IS: |
| 6 |
| 2 |
| 8 |
| 3 |
| 9 |
| ARRAY AFTER SORT IS: |
| 2 |
| 3 |
| 6 |
| 8 |
| 9 |

Fig. Sort Operation

| |
|-----------------------------------|
| You Have Selected Option:5 |
| ORIGINAL ARRAY IS: |
| 6 |
| 2 |
| 8 |
| 3 |
| 9 |
| ARRAY AFTER REVERSE IS: |
| 9,8,6,3,2 |

Fig. Reverse Operation

| |
|-----------------------------------|
| You Have Selected Option:6 |
| ORIGINAL ARRAY IS: |
| 6 |
| 2 |
| 8 |
| 3 |
| 9 |
| ARRAY AFTER JOIN IS: |
| 6,2,8,3,9 |

Fig. Join Operation

| |
|-----------------------------------|
| You Have Selected Option:7 |
| ORIGINAL ARRAY IS: |
| 6 |
| 2 |
| 8 |
| 3 |
| 9 |
| ARRAY AFTER CONCAT IS: |
| 6 |
| 2 |
| 8 |
| 3 |
| 9 |
| 80 |
| 90 |
| 100 |

Fig. Concat Operation

| |
|-----------------------------------|
| You Have Selected Option:8 |
| ORIGINAL ARRAY IS: |
| 6 |
| 2 |
| 8 |
| 3 |
| 9 |
| ARRAY AFTER SHIFT IS: |
| 2 |
| 8 |
| 3 |
| 9 |

Fig. Shift Operation

| |
|--------------------------------------|
| You Have Selected Option:9 |
| ORIGINAL ARRAY IS: |
| 6 |
| 2 |
| 8 |
| 3 |
| 9 |
| ARRAY AFTER POPPING TWO ELEMENTS IS: |
| 6 |
| 2 |
| 8 |

Fig. Pop Operation

| |
|------------------------------------|
| You Have Selected Option:10 |
| ORIGINAL ARRAY IS: |
| 6 |
| 2 |
| 8 |
| 3 |
| 9 |
| ARRAY AFTER SPLICE IS: |
| 6 |
| 2 |

Fig. Splice Operation