Program: Array Functions Using Switch Case.

```
<html>
<body>
<script>
document.write("<b>1. LENGTH OF ARRAY" +"<br/>br>")
document.write("2. PUSH" +"<br/>")
document.write("3. UNSHIFT" +"<br/>')
document.write("4. SORTING OF ARRAY" +"<br/>br>")
document.write("5. REVERSE OF ARRAY" +"<br/>')
document.write("6. JOIN" +"<br>")
document.write("7. CONCAT" +"<br/>br>")
document.write("8. SHIFT" +"<br/>')
document.write("9. POP" +"<br/>')
document.write("10. SPLICE" +"<br/>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>>ARRAY IS:")
  for (i = 0; i < a.length; i++) {
    document.write("<br/>br>"+a[i])
  }
     document.write("<br><hr>LENGTH OF ARRAY IS: "+a.length)</br>
  break;
case 2:
  document.write("<br/>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/>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/>br><hr>LENGTH OF ORIGINAL ARRAY IS: "+a.length)
  a.unshift(15)
  document.write("<br><hr>15 IS ADDED<hr>")
  document.write("<br/>br><hr>LENGTH OF ARRAY AFTER UNSHIFT IS: "+a.length)
  document.write("<br>>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/>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: ")</br>
  for (i = 0; i < a.length; i++)
    document.write("<br/>br>"+a[i])
    var r = a.sort()
    document.write("<br/>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/>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/>or><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()
```

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```
document.write("<br>><hr>ARRAY AFTER SHIFT IS: ")
  for (i = 0; i < a.length; i++) {
    document.write("<br/>br>"+a[i])
  break;
case 9:
    document.write("<br>><hr>ORIGINAL ARRAY IS: ")
  for (i = 0; i < a.length; i++)
    document.write("<br/>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: ")</br>
  for (i = 0; i < a.length; i++){
    document.write("<br>"+a[i])
    a.splice(2)
    document.write("<br>><hr>ARRAY AFTER SPLICE IS: ")</br>
  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:



You Have Selected Option:1

ARRAY IS:
6
2
8
3
9

LENGTH OF ARRAY IS: 5



Fig. Menu Of Functions

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. Length Operation

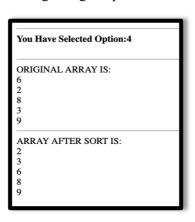


Fig. Push Operation

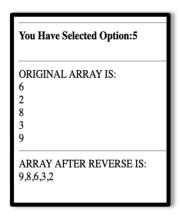


Fig. Unshift Operation

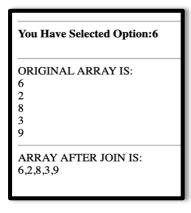


Fig. Sort Operation

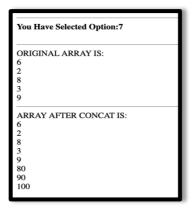


Fig. Reverse Operation

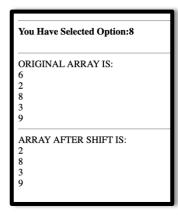


Fig. Join Operation

Fig. Concat Operation

Fig. Shift Operation



Fig. Pop Operation

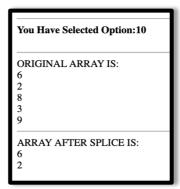


Fig. Splice Operation