



INDIAN SCHOOL AL WADI AL KABIR

Class: VIII	Department: Computer Science	Year: 2023-2024
Worksheet with solutions	Topic: DYNAMIC WEBPAGES IN HTML5 PRACTICAL WORKSHEET	Solve these questions in the laboratory

Practical Lab Programs in Javascript

1. Write a JavaScript program to swap the value of two variables without using a third variable. Take the value of both variables from the user.
2. Write a JavaScript program to calculate the area of a square
3. Write a Javascript program to convert Kilometers to centimetrs
4. Develop a JavaScript program to perform following arithmetic operations: addition, subtraction, multiplication and division.

Solutions

- 1) Write a JavaScript program to swap the value of two variables without using a third variable. Take the value of both variables from the user.

```
<html>
<head>
<title>Javascript</title></head>
<body>
<script type="text/javascript">
var x=parseInt(prompt("Enter first number"));
var y=parseInt(prompt("Enter second number"));
x = x+y ;
y = x -y ;
x = x -y ;
document.write("x =");
document.write(x);
document.write("<br>");
```

```
document.write("y =");
document.write(y);
</script>
</body>
</html>
```

2) Write a Javascript program to calculate the area of a square

```
<html>
<head>
<title>Area of square</title></head>
<body>
<script type="text/javascript">
var s=parseInt(prompt("enter the side of square"));
var area;
area=s*s;
document.write("Area of square=");
document.write(area);
</script>
</body></html>
```

3) Write a Javascript program to convert Kilometers to centimetres

```
<html>
<head>
<title>javascript</title></head>
<body>
<script type="text/javascript">
var km=parseInt(prompt("enter the value in Kilometer"));
var cm;
cm=100000*km;
document.write("kilometre to centimetre=");
document.write(cm);
</script>
</body>
</html>
```

4) Develop a JavaScript program to perform following arithmetic operations: addition, subtraction, multiplication and division.

```
<html>
<head>
<title>Arithmetic operators in Javascript</title></head>
<body>
<script type="text/javascript">
var a=parseInt(prompt("enter first number"));
var b=parseInt(prompt("enter second number"));
var sum;
var difference;
var product;
var quotient;
sum=a+b;
difference=a-b;
product=a*b;
Quotient=a/b;
document.write("Sum= ");
document.write(sum);
document.write("<br>");
document.write("Difference =");
document.write(difference);
document.write("<br>");
document.write("Product=");
document.write(product);
document.write("<br>");
document.write("Quotient=");
document.write(quotient);
</script>
</body>
</html>
```