

Assignment 2

```
<html>
```

```
<head>
```

```
  <title>Sum,Diff and Prod</title>
```

```
</head>
```

```
<body>
```

```
  <script type="text/javascript">
```

```
    var a, b, sum, diff, product;
```

```
    a = parseInt(prompt("Please enter the number: "))
```

```
    b = parseInt(prompt("Please enter the number: "))
```

```
    sum =a + b
```

```
    diff = a- b
```

```
    product = a * b
```

```
    document.write("the sum of " + a + "and" + b +" is= "+sum +"<br>")
```

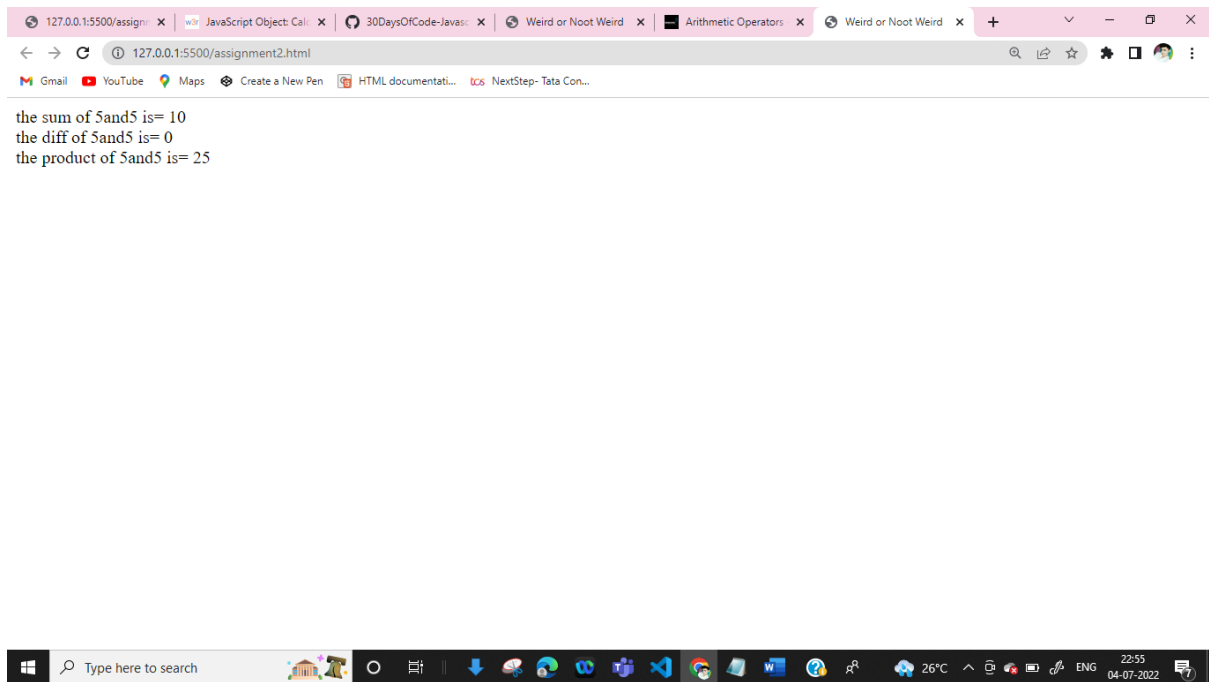
```
    document.write("the diff of " + a + "and" + b +" is= "+ diff +"<br>")
```

```
    document.write("the product of " + a + "and" + b +" is= "+ product +"<br>")
```

```
  </script>
```

```
</body>
```

```
</html>
```



Assignment 3

```
<html >
```

```
<head>
```

```
    <title>Document</title>
```

```
</head>
```

```
<body>
```

```
    <script type="text/javascript">
```

```
        var num1,num2,res,res1
```

```
        num1=parseFloat(prompt("Enter a Nos:"))
```

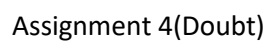
```
        num2=parseFloat(prompt("Enter a Nos:"))
```

```
        res=num1%num2
```

```
        res1=num1/num2
```

```
document.write("the quotient of " + num1 + "and" + num2 + " is " + res1 + "<br>")
```

</html>



<title>Leap Year</title>

```
</head>
<body>
  <script>
    var n
    n=parseInt(prompt("Enter a Year:"))
    if(n%4==0)
    {
      alert(n+"is a leap year")
    }
    else if(n%100==0)
    {

      alert(n+"is not a leap year")
    }
    else if(n%400==0)
    {

      alert(n+"is a leap year")
    }

  </script>
</body>
</html>
```

Assignment 5

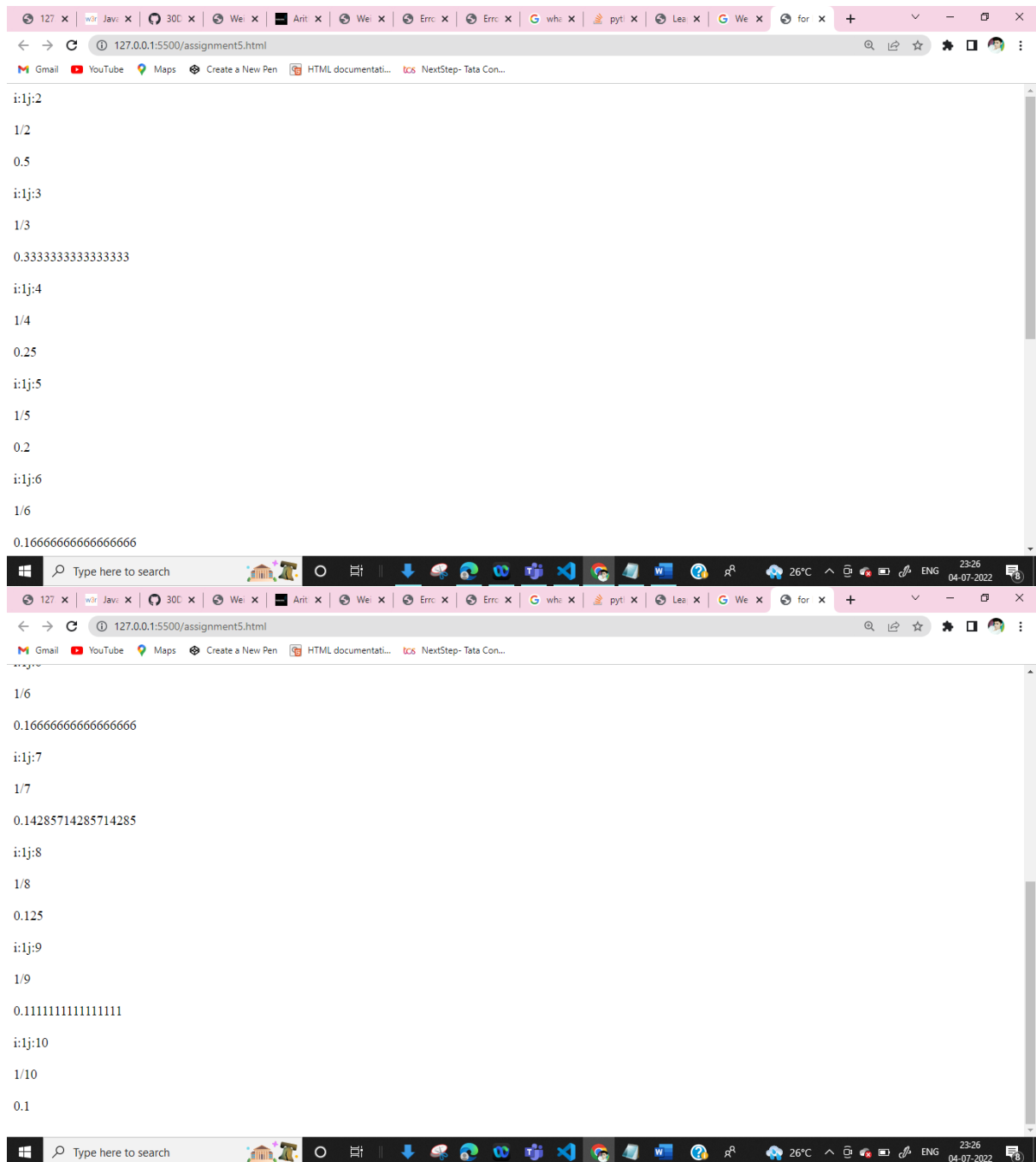
```
<html >
<head>

    <title>for loop</title>
</head>
<body>
    <script>
        var num,i,j
        num=parseInt(prompt("Enter a nos"))
        i=1;
        for(j=2;j<=10;j++)
        {
            document.write("i:",i,"j:",j+"<br><br>")
            document.write(i,"/",j+"<br><br>")
            document.write(i/j+"<br><br>");

        }

    </script>

</body>
</html>
```



Assignment 6(doubt)

<html>

<head>

<title>Document</title>

```
</head>
```

```
<body>
```

```
  <script>
```

```
    var num = parseInt(prompt("Enter number"));
```

```
    var i= 1
```

```
    while (i <= 10) {
```

```
      document.write(i+"<br/>");
```

```
      i++;
```

```
      if(num>0)
```

```
      {
```

```
        alert("num is positive"+num + "<br/>");
```

```
      }
```

```
      else
```

```
      {
```

```
        alert("Plz enter a positive nos")
```

```
      }
```

```
    }
```

```
  </script>
```

```
</body>
```

```
</html>
```

Assignment 7(doubt)

```
<html>
```

```
<head>
```

```
<title>Document</title>
```

```
</head>
```

```
<body>
```

```
<script>
```

```
var num
```

```
num =parseInt(prompt("Enter your number"))
```

```
while (num >= 0){
```

```
    print(num)
```

```
    num = num - 1
```

```
    if(num%2==0)
```

```
    {
```

```
        alert("num is divisilbe by "+num)
```

```
    }
```

```
    else
```

```
    {
```

```
        alert("num it is not divisilbe by "+num)
```

```
        document.write("plz enter new nos")
```

```
    }
```

```
}
```



```
</script>
</body>

</html>
```

Assignment 8

```
<html>

<head>

  <title>Document</title>
</head>

<body>
  <script>
    n = 10
    i = 10
    while (i > 0)
      document.write(i)
      if (i % 2 == 0)
        i = i / 2
      else {
        i = i + 1
      }
  </script>
</body>
</html>
```

```
<table>
  <tr>
    <th>X</th>
    <th>Num</th>
  </tr>
  <tr>
    <th></th>
  </tr>
</table>
```

```
</script>
</body>

</html>
```

Assignment 9(doubt)

```
<!DOCTYPE html>
<html lang="en">
```

```
<head>
```

```
<title>Document</title>
```

```
</head>
```

```
<body>
```

```
<script>
```

```
function factorial(n) {
```

```
    if (n == 0)
```

```
        return 1;
```

```
    return n * factorial(n - 1);
```

```
}
```

```
num = parseInt(prompt("Enter a nos"));
```

```
document.write("Factorial of " + num + " is " + factorial(num));
```

```
// program to check if a number is prime or not
```

```
function prime(n) {
```

```
    if (number === 1) {
```

```
        document.write("1 is neither prime nor composite number.");
```

```
    }
```

```
    else if (number > 1) {
```

```
        for (let i = 2; i < number; i++) {
```

```
            if (number % i == 0) {
```

```
                isPrime = false;
```

```
                break;
```

```
            }
```

```
}
```

```
if (isPrime) {
```

```
    document.write(number + "is a prime number");
```

```
} else {
```

```
    document.write(number + " is a not prime number");
```

```
}
```

```
}
```

```
else {
```

```
    document.write("The number is not a prime number.");
```

```
}
```

```
}
```

```
number = parseInt(prompt("Enter a positive number: "));
```

```
document.write(n+ " is " + factorial(number))
```

```
</script>
```

```
</body>
```

```
</html>
```

Assignment 10

```
<html lang="en">
<head>

  <title>Document</title>
</head>
<body>
  <script>
    function Triangle(x, y, z)
    {

      if (x == y && y == z)
        document.write("Equilateral Triangle");

      else if (x == y || y == z || z == x)
        document.write("Isosceles Triangle");

      else
        document.write("Scalene Triangle");
    }
    x = parseInt(prompt("x: "))
    y = parseInt(prompt("y: "))
    z = parseInt(prompt("z: "))

    Triangle(x, y, z);
```

```
</script>
```

```
</body>
```

```
</html>
```

Assignment 11

```
<html >
```

```
<head>
```

```
  <title>Document</title>
```

```
</head>
```

```
<body>
```

```
  <script>
```

```
    function Triangle(x, y, z)
```

```
    {
```

```
      if (x == y && y == z)
```

```
        document.write("Equilateral Triangle");
```

```
else if (x == y || y == z || z == x)
    document.write("Isosceles Triangle");
```

```
else
    document.write("Scalene Triangle");
```

```
}
x = parseInt(prompt("x: "))
y = parseInt(prompt("y: "))
z = parseInt(prompt("z: "))
```

```
Triangle(x, y, z);
```

```
</script>
```

```
</body>
```

```
</html>
```

Assignment 13(swap nos)

```
<html>
```

```
<head>
```

```
    <title>Js program to swap tow numbers two numbers with using third variabkes</title>
```

```
</head>
```

```
<body>
```

```
    <script type="text/Javascript">
```

```
function swap(a,b,c)
{
    var a,b,c
    a=prompt("Enter a nos a:")
    b=prompt("Enter a nos b:")
    c=a
        a=b
        b=c

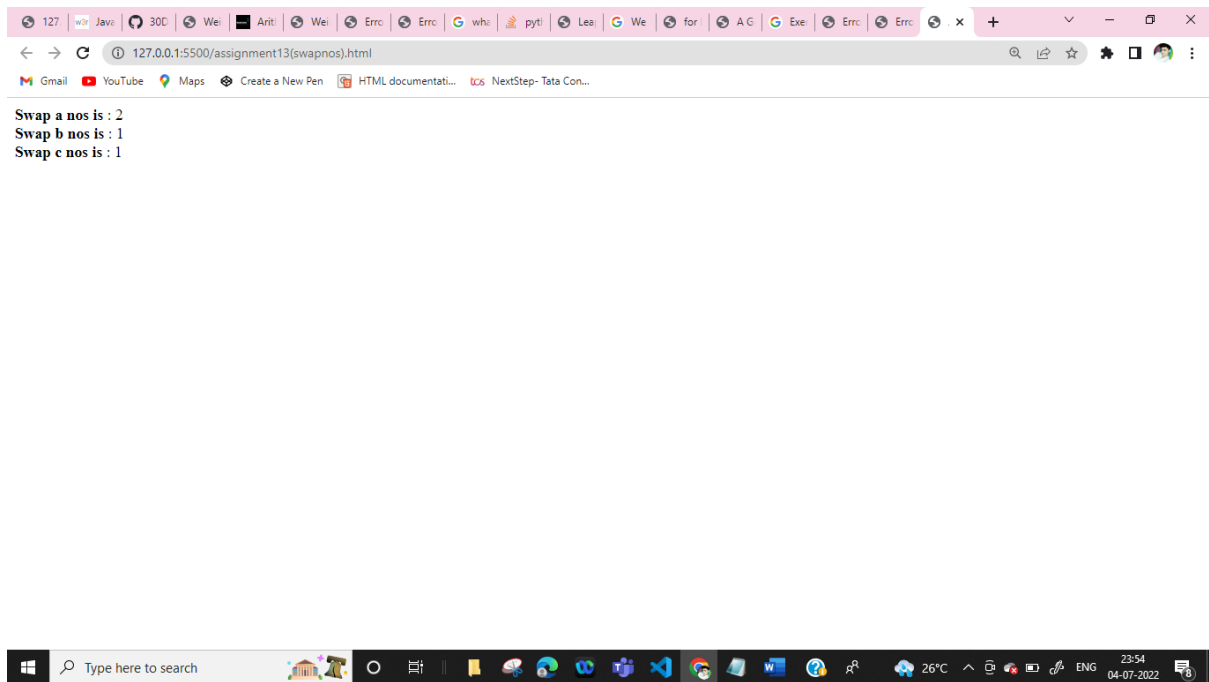
    document.write("<b>Swap a nos is</b> : "+ a+"<br>")
    document.write("<b>Swap b nos is</b> : "+ b+"<br>")
    document.write("<b>Swap c nos is</b> : "+ c+"<br>")

}
swap()

</script>

</body>

</html>
```

Assignment 13 (without third nos)

```
<html>

    <head>

        <title>Js program to swap two numbers two numbers with using third
variables</title>

    </head>

    <body>

        <script type="text/Javascript">

function swap(a,b)
{
    var a,b

        a=parseInt(prompt("Enter a no"));
        b=parseInt(prompt("Enter a no"));

        a=a+b
        b=a-b
```

```

a=a-b

document.write("<b>After swap</b> : a="+ a +"<br>" )

document.write("<b>after swap</b> : b="+ b )

}

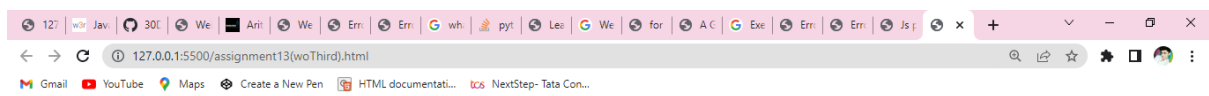
swap()

</script>

</body>

</html>

```



Assignment 13(Simple interest)

```

<html>

<head>

    <title>Js program Simple Interest</title>

</head>

<body>

    <script type="text/Javascript">

```

```
function simple(p,n,r)
{
    var p,n,r,si
    p=parseInt(prompt("Enter a nos a:"))
    n=parseInt(prompt("Enter a nos a:"))
    r=parseInt(prompt("Enter a nos a:"))
    si=(p*n*r)/100

    document.write("<b>p a nos is</b> : "+ p+"<br>")
    document.write("<b>n a nos is</b> : "+ n+"<br>")
    document.write("<b>r a nos is</b> : "+ r+"<br>")
    document.write("<b>Si a nos is</b> : "+ si+"<br>")

}
simple()
```

```
</script>
```

```
</body>
```

```
</html>
```

