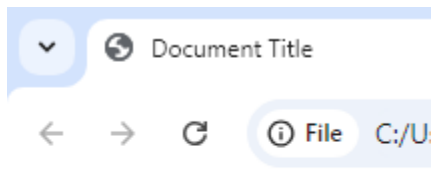


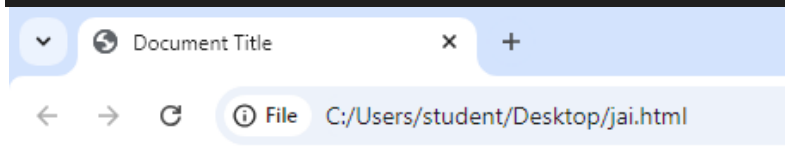
TASK 1

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Document Title</title>
</head>
<body>
  <script>
    var recursion1 = (n)=>{
      if(n<=0)
      {
        return 1;
      }
      else{
        return n*recursion1(n-1);
      }
    }
    document.write(recursion1(10));

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



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TASK 2

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Document Title</title>
```

```

</head>
<body>
  <script>
    function fibo(n)
    {
      if(n==0)
      {
        return 0;
      }
      else if(n==1)
      {
        return 1;
      }
      else{
        return fibo(n-1)+fibo(n-2);
      }
    }
    let n=prompt("N??",0);
    document.write("THE FIBONICI NUMBER OF "+ n +" IS " + fibo(n));

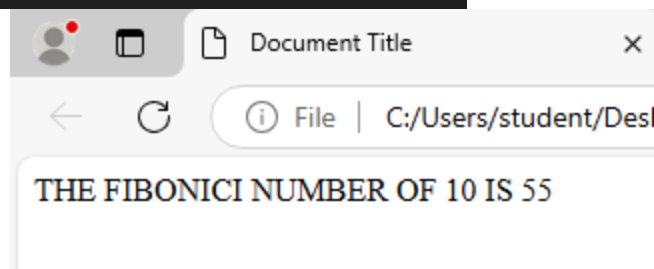
  </script>
</body>
</html>

```

This page says

N??

OK Cancel



TASK 3

```

<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Document Title</title>
</head>
<body>
  <script>

```

```

function steps(n)
{
  if(n==0 || n==1)
  {
    return 1;
  }
  else if(n==2)
  {
    return 2;
  }
  else if(n==3)
  {
    return 4;
  }
  else
  {
    return steps(n-1)+steps(n-2)+steps(n-3);
  }
}
let totalsteps = prompt("N??");
document.write("THE TOTAL STEPS OF " + totalsteps + " IS " +
steps(totalsteps));

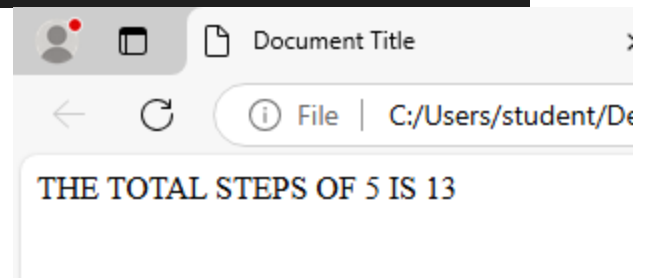
</script>
</body>
</html>

```

This page says

N??

OK Cancel



TASK 4

```

<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">

```

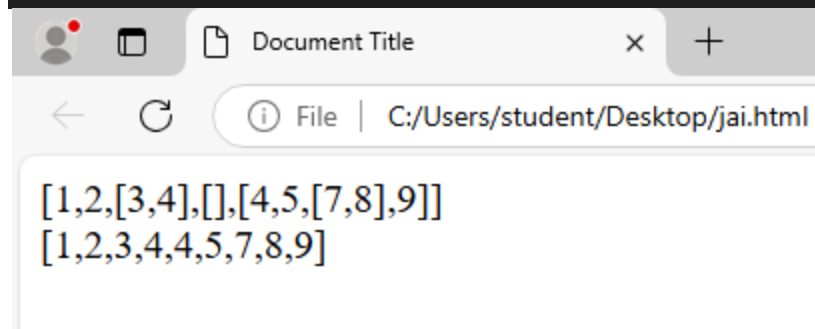
```

<title>Document Title</title>
</head>
<body>
  <script>
    result =[];
    function flattened(arr)
    {

      arr.forEach(element => {
        if(typeof element == 'number')
        {
          result.push(element);
        }
        else
        {
          flattened(element);
        }
      });
    }
    let nestedarray = [1,2,[3,4],[],[4,5,[7,8],9]];
    flattened(nestedarray);
    document.write(JSON.stringify(nestedarray) + "<br>")    ;
    document.write(JSON.stringify(result))    ;

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

```



TASK 5

```

<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">

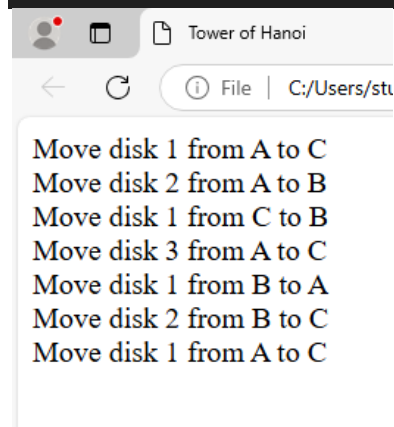
```

```

    <meta http-equiv="X-UA-Compatible" content="ie=edge">
    <title>Tower of Hanoi</title>
</head>
<body>
    <script>
        function towerOfHanoi(n, source, auxiliary, destination) {
            if (n === 1) {
                document.write(`Move disk 1 from ${source} to ${destination}<br>`);
                return;
            }
            towerOfHanoi(n - 1, source, destination, auxiliary);
            document.write(`Move disk ${n} from ${source} to ${destination}<br>`);
            towerOfHanoi(n - 1, auxiliary, source, destination);
        }

        let n = 3;
        towerOfHanoi(n, 'A', 'B', 'C');
    </script>
</body>
</html>

```



TASK 1

```

<!DOCTYPE html>

<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <meta http-equiv="X-UA-Compatible" content="ie=edge">
    <title>Tower of Hanoi</title>
</head>
<body>
    <script>

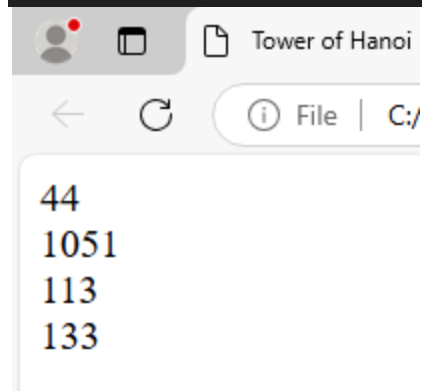
```

```

function sum(...num)
{ let sum =0;
  num.forEach(element => {
    sum+=element;
  });
  return sum;
}
document.write(sum(9,5,3,4,6,3,6,5,3)+"<br>");
document.write(sum(9,5,3,4,6,3,6,5,1010)+"<br>");
document.write(sum(9,5,3,4,75,3,6,5,3)+"<br>");
document.write(sum(98,5,3,4,6,3,6,5,3)+"<br>");

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

```



TASK 2

```

<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Tower of Hanoi</title>
</head>
<body>
  <script>
    function sum(num)
    { let sum=0;
      num.forEach(element => {
        sum+=element;
      });
    }
  </script>

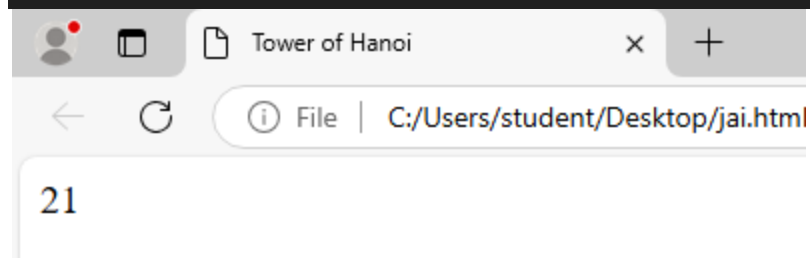
```

```

    return sum;
}

    let arr1 = [1,2,3];
    let arr2 = [4,5,6];
    let com= [...arr1,...arr2];
    document.write(sum(com));
</script>
</body>
</html>

```



TASK 3

```

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <meta http-equiv="X-UA-Compatible" content="ie=edge">
    <title>Tower of Hanoi</title>
</head>
<body>
    <script>
        let student = {
            name:"Jai",
            roll:'65',
            dept:"CSE"
        };
        document.write("ELEMENTS = "+JSON.stringify(student)+ "<br>");
        document.write(" DEEP CLONE = "+JSON.parse(JSON.stringify(student)));
    </script>
</body>
</html>

```

