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document.write("<h3>3a.Fibonacci!</h3>")
n=prompt("Enter a number minimum 2!");
/*if(n==1)
console.log(0);
else if(n==2)
{
    console.log(0)
    console.log(1);
}*/
for(i=0,j=0;i!=n;i++){
    console.log(i+j)
    j=i;
}
*/
f1=0;
f2=1;
document.write("Fibonacci Series upto " + n + "is: <br/>");
document.write(f1 + "<br/>" + f2 + "<br/>" );
for(i = 3; i <= n; i++){
    f3=f1+f2;
    f1=f2;
    f2=f3;
    document.write(f3 + "<br/>");
}

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document.write("<h3>3b.Square of n Numbers</h3>")
n=prompt("Enter a number!");
document.write("<br><table border=1><tr><th>Number</th><th>Square</th></tr>");
m="Number | Square\n";
for(i = 1; i <= n; i++){
    //alert("Square of "+i+"is"+i**2+"\n");
    m+="    " + i + "    \t    " + i**2 + "\n";
    document.write("<tr><td>" + i + "</td><td>" + i**2 + "</td></tr>");
}
alert(m);

```

<!DOCTYPE html>

```
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <script src="a.js"></script>
  <script src="b.js"></script>
  <title>Program 3</title>
</head>
<body>

</body>
</html>
```

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

      border-style: double;
      width: 30%;
      text-align: center;
      border-color: blue;

    }
  </style>
  <script>
    function validate(){
      var str=document.getElementById("usn").value;
      if(str.match(/[1-4][A-Z]{2}[0-9]{2}[A-Z]{3}[0-9]{2}/)===null)
        alert("USN NOT VALID");
      else
        alert("USN VALID");
    }
    function valsem(){
      var str=document.getElementById("sem").value;
      if(str.match(/[1-6]/)===null)
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        alert("SEM MUST BE b/w 1 and 6")
    else
        alert("SEM IS VALID");
    }
</script>
</head>

<body>
    <div>
        USN:<input type="text" id="usn" onchange="validate();">
        <br>
        SEMISTER: <input type="text" id="sem" onchange="valsem();">
    </div>
</body>
</html>

```

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<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
</head>
<body style="padding: 150px;"><center>
    <script>
        var total_amt=0;
        function apple()
        {
            var apple_qty=document.getElementById("apple_count").value
            var apple_amt=apple_qty*59;
            if(document.getElementById("apple_check"))
                total_amt+=apple_amt;
            else
                total_amt-=apple_amt;
        }
        function orange()
        {
            var orange_qty=document.getElementById("orange_count").value
            var orange_amt=orange_qty*49;
            if(document.getElementById("orange_check"))

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        total_amt+=orange_amt;
    else
        total_amt-=orange_amt;
    }

function banana()
{
    var banana_qty=document.getElementById("banana_count").value
    var banana_amt=banana_qty*39;
    if(document.getElementById("banana_check"))
        total_amt+=banana_amt;
    else
        total_amt-=banana_amt;
}
function finalamt(){
    total_amt+=total_amt*0.05
    alert("your cost will be"+total_amt);
}

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</script>

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<form>
  <center>
    <label>apple(59 cents)</label> <input type="number" id="apple_count" min="1">
    <input type="checkbox" id="apple_check" onclick="apple();"><br>
    <label>orange(49 cents)</label> <input type="number" id="orange_count" min="1">
    <input type="checkbox" id="orange_check" onclick="orange();"><br>
    <label>banana(39 cents)</label> <input type="number" id="banana_count" min="1">
    <input type="checkbox" id="banana_check" onclick="banana();"><br>
    <input type="submit" value="submit" onclick=" return finalamt();">

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  </center>

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</form>

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</center>

```

```

</body>

```

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</html>

```

