

1.

```
<h1>Activity #2</h1>

<h4>Item #1</h4>
  <h5>Time Calculator</h5>

  Seconds: <input type="number" id="Second"><br/><br/>

  <button id="btn1">
    Submit
  </button>

<p id="output1"></p>
<hr>
```

```
const btn1 = document.getElementById("btn1")
btn1.addEventListener("click", () => {
  let Second = document.getElementById("Second").value;

  if (Second >= 86400) {
    let Day = Second / 86400;
    Second %= 86400;
    document.getElementById("output1").innerHTML = `Days: ${Day}<br> Remaining seconds: ${Second}`;
  } else if (Second >= 3600) {
    let Hour = Second / 3600;
    Second %= 3600;
    document.getElementById("output1").innerHTML = `Hours: ${Hour}<br> Remaining seconds: ${Second}`;
  } else if (Second >= 60) {
    let Minute = Second / 60;
    Second %= 60;
    document.getElementById("output1").innerHTML = `Minutes: ${Minute}<br> Remaining seconds: ${Second}`;
  } else {
    document.getElementById("output1").innerHTML = `Seconds: ${Second}`;
  }
})
```

## Item #1

### Time Calculator

Seconds:

Hours: 1.2144444444444444

Remaining seconds: 772

2.

```
<h4>Item #2</h4>
  <h5>Shipping Charges</h5>

  Enter weight: <input type="number" id="Weight">pounds <br/><br/>

  <button id="btn2">
    Submit
  </button>

<p id="output2"></p>
<hr>
```

```
const btn2 = document.getElementById("btn2")
btn2.addEventListener("click", () => {
  let Weight = document.getElementById("Weight").value;

  if (Weight <= 2) {
    let Price = 1.10;
    document.getElementById("output2").innerHTML = `Weight: ${Weight}<br> Total Price: ${Price}`;
  } else if (Weight > 2 && Weight < 7) {
    let Price = 2.20;
    document.getElementById("output2").innerHTML = `Weight: ${Weight}<br> Total Price: ${Price}`;
  } else if (Weight > 6 && Weight < 11) {
    let Price = 3.70;
    document.getElementById("output2").innerHTML = `Weight: ${Weight}<br> Total Price: ${Price}`;
  } else {
    let Price = 3.80;
    document.getElementById("output2").innerHTML = `Weight: ${Weight}<br> Total Price: ${Price}`;
  }
})
```

## Item #2

### Shipping Charges

Enter weight:  pounds

Weight: 12347  
Total Price: \$3.8

3.

```
<h4>Item #3</h4>
  <h5>Software Sales</h5>

  Enter quantity: <input type="number" id="Amount"> <br/><br/>

  <button id="btn3">
    Submit
  </button>

<p id="output3"></p>
<hr>
```

```
const btn3 = document.getElementById("btn3")
btn3.addEventListener("click", () => {
  let Amount = document.getElementById("Amount").value;

  if (Amount <= 10) {
    let Discount = 0;
    let TotalPrice = Amount * 99;

    document.getElementById("output3").innerHTML = `Amount of packages: ${Amount}<br> Discount: ${Discount}%<br> Total Price: ${TotalPrice}`;
  } else if (Amount > 10 && Amount < 20) {
    let Discount = 20;
    let TotalPrice = (Amount * 99) * .20;

    document.getElementById("output3").innerHTML = `Amount of packages: ${Amount}<br> Discount: ${Discount}%<br> Total Price: ${TotalPrice}`;
  } else if (Amount > 20 && Amount < 50) {
    let Discount = 30;
    let TotalPrice = (Amount * 99) * .30;
    document.getElementById("output3").innerHTML = `Amount of packages: ${Amount}<br> Discount: ${Discount}%<br> Total Price: ${TotalPrice}`;
  } else if (Amount > 50 && Amount < 100){
    let Discount = 40;
    let TotalPrice = (Amount * 99) * .40;
    document.getElementById("output3").innerHTML = `Amount of packages: ${Amount}<br> Discount: ${Discount}%<br> Total Price: ${TotalPrice}`;
  } else {
    let Discount = 50;
    let TotalPrice = (Amount * 99) * .50;
    document.getElementById("output3").innerHTML = `Amount of packages: ${Amount}<br> Discount: ${Discount}%<br> Total Price: ${TotalPrice}`;
  }
})
```

### Item #3

#### Software Sales

Enter quantity:

Amount of packages: 3146

Discount: 50%

Total Price: 155727

4.

```
<h4>Item #4</h4>
  <h5>Mass and Weight</h5>

  Enter quantity: <input type="number" id="Mass">kg <br/><br/>

  <button id="btn4">
    Submit
  </button>

<p id="output4"></p>
<hr>
```

```
const btn4 = document.getElementById("btn4")
btn4.addEventListener("click", () => {
  let Mass = document.getElementById("Mass").value;
  let Weight = Mass * 9.8;

  if (Weight >= 1000) {
    document.getElementById("output4").innerHTML = `Weight: Too Heavy`;
  } else if (Weight <= 10) {
    document.getElementById("output4").innerHTML = `Weight: Too Light`;
  } else {
    document.getElementById("output4").innerHTML = `Weight: Normal`;
  }
})
```

#### Item #4

##### Mass and Weight

Enter quantity:  kg

Weight: Too Light