**1.TEMPERATURE CONVERTER:**

**HTML CODE:**

<h1>Temperature Converter</h1>

    <label type="text">Enter a Temperature</label><br>

    <input type="text" id="myvalue"><br>

    <input type="radio" id="cvalue" name="unit">

    <label >Celsius</label><br>

    <input type="radio"id="fvalue" name="unit">

    <label>Fahrenheit</label><br>

   <button id="Mybutton">Submit</button><br><br>

<label id="answer"></label>

**JS CODE:**

document.getElementById("Mybutton").onclick=function(){

       let temp;

       temp=document.getElementById("myvalue").value;

if(document.getElementById("cvalue").checked)

{

      temp=Number(temp);

       temp=tocelsius(temp);

      document.getElementById("answer").innerHTML=temp+"°C";

}

else if(document.getElementById("fvalue").checked)

{

       temp=Number(temp);

       temp=tofahrenheit(temp);

       document.getElementById("answer").innerHTML=temp+"°F";

}

else{

       document.getElementById("answer").innerHTML="select one unit";

}

}

function tocelsius(temp){

       return (temp-32)\*5/9;

}

function tofahrenheit(temp){

       return (temp\*9/5)+32;

}