Module 28-Shopping Cart and Pin Matcher

28-1 Module Overview and shopping cart increase case count

```
document.getElementById("case-
plus").addEventListener('click',function(){
    const caseInput = document.getElementById("case-number");
    const caseNumber=caseInput.value;
    caseInput.value=parseInt(caseNumber)+1;
});
```

28-2 shopping cart handle decrease and update price

```
function updateProductNumber(product,isIncreasing) {
  const caseInput = document.getElementById(product);
  let caseNumber = caseInput.value;
  if(isIncreasing==true)
  {
      caseNumber= parseInt(caseNumber) + 1;
  }
  else if (caseNumber>0) {
      caseNumber = parseInt(caseNumber) - 1;
  }

  caseInput.value = caseNumber;
  //update case total
  const caseTotal = document.getElementById("case-total");
  caseTotal.innerText=caseNumber*59;
}

// case sectiion------
document.getElementById("case-plus").addEventListener("click",
function () {
    updateProductNumber("case-number",true);
});

document.getElementById("case-minus").addEventListener("click",
function () {
    updateProductNumber("case-number", false);
});
```

28-3 Calculate phone cost using the same shared f unction

```
function updateProductNumber(product, price, isIncreasing) {
  const productInput = document.getElementById(product + "-number");
  let productNumber = productInput.value;

  if (isIncreasing == true)
  {
    productNumber = parseInt(productNumber) + 1;
  }
  else if (productNumber > 0)
  {
    productNumber = parseInt(productNumber) - 1;
  }
  productInput.value = productNumber;
  // update total
  const productTotal = document.getElementById(product + "-total");
  productTotal.innerText = productNumber * price;
}

// // handle phone incresing secrasing event sectiion------
document.getElementById("phone-plus").addEventListener("click",
function () {
  updateProductNumber("phone", 1219, true);
});

document.getElementById("phone-minus").addEventListener("click",
function () {
  //   updateProductNumber("phone-number", false);
  updateProductNumber("phone", 1219, false);
});

// handle case incresing secrasing event sectiion------
document.getElementById("case-plus").addEventListener("click",
function () {
  updateProductNumber("case", 59, true);
});

document.getElementById("case-minus").addEventListener("click",
function () {
  updateProductNumber("case", 59, false);
});
```

28-4 Get all product sub total cost, tax and grand total

```
function getInputValue(product) {
  const productInput = document.getElementById(product + "-number");
  const productNumber = parseInt(productInput.value);

  return productNumber;
}

function calculateTotal()
{
  const phoneTotal = getInputValue("phone") * 1219;
  const caseTotal = getInputValue("case") * 59;

  const subTotal = phoneTotal + caseTotal;
  const tax = subTotal / 10;
  const totalPrice = subTotal + tax;

  // update on the html
  document.getElementById("sub-total").innerText = subTotal;
  document.getElementById("tax-amount").innerText = tax;
  document.getElementById("total-price").innerText = totalPrice;
}
```

28-5 Pin matcher overview, Generate pin and display it

```
function getPin()
{
    const pin = Math.round(Math.random() * 10000);
    if((pin+'').length==4)
    {
        return pin;
    }
    else
    {
      // console.log('got 3 digit and calling again', pin);
      return getPin();
    }
}

function generatePin()
```

```
{
    const pin=getPin();
    document.getElementById("display-pin").value=pin;
}
```

28-6 Use event bubble to create calculator and clear

The isNaN() function is **used to check whether a given value is an illegal number or not**. It returns true if value is a NaN else returns false. It is different from the Number. isNaN() Method. inNan(is not a number)

```
// Use event bubble function(event)
document.getElementById("key-
pad").addEventListener('click',function(event)
{
    const number=event.target.innerText;

    if(isNaN(number))
    {
        if(number=="C")
        {
            document.getElementById("typed-numbers").value="";
        }
    }
    else
    {
        document.getElementById("typed-numbers").value
=document.getElementById("typed-numbers").value + number;
    }
});
```

28-7 Verify match and use function to reduce duplicate

```
// summit button
function verifyPin()
{
    const pin = document.getElementById("display-pin").value;
    const typedNumbers = document.getElementById("typed-
numbers").value;

    const successMessage = document.getElementById('notify-success');
    const failError = document.getElementById('notify-fail');
```

```
    if(typedNumbers==pin)
    {
        successMessage.style.display='block';
        failError.style.display='none';
    }
    else
    {
        successMessage.style.display = "none";
        failError.style.display = "block";
    }
}
```

28-8 Pin Matcher overview and daily challenge