//1.

function replaceString(s) {

  let arr = s.split(' ');

  for (let i = 0; i < arr.length; i++) {

    arr[i] += i + 1;

  }

  return arr.join(' ');

}

//test:

console.log(replaceString('The quick brown fox jumps over the lazy dog')); //The1 quick2 brown3 fox4 jumps5 over6 the7 lazy8 dog9

//2.

var dwarves = "bashful doc dopey grumpy happy sleepy sneezy";

console.log(dwarves.split(' ').reverse().join(' ')); //sneezy sleepy happy grumpy dopey doc bashful

//3.

let months = ['January', 'February', 'March', 'April',

              'May', 'June', 'July', 'August',

              'September', 'October', 'November', 'December'

            ];

function numToMonth(num) {

  return months[num - 1] || 'no result';

}

//test:

console.log(numToMonth(1)); //January

console.log(numToMonth(12)); //December

console.log(numToMonth(13)); //no result

console.log(numToMonth(0)); //no result

//4.

function digit(str) {

  return str.match(/\d/);

}

//test:

console.log(digit('zaq-')); //null

console.log(digit('s1p')); //1

//5.

function compare(arr1, arr2){

  if (arr1.length !== arr2.length) {

    return false;

  } else {

    for (let i = 0; i < arr1.length; i++) {

      if (arr1[i] !== arr2[i]) {

        return false

      };

    }

  }

  return true;

}

//test:

console.log(compare([1, 'dd', 2, 4], [1, 'dd', 2, 4])); //true

console.log(compare([1, 'aaa', 2], [1, 'dd', 2, 4])); //false

6.

var response = {

"cartItems": [{

"id": "ci186012014536",

"qty": 3,

"itemInfo": {

"model": "UN55NU6950FXZA",

"itemNo": "980142010",

"minDeliveryDate": 1561938400000,

"name": "UN55NU6950FXZA - SAMSUNG 55\" Class 4K (2160p) Ultra HD Smart LED TV",

"skuId": "sku23018986",

"itemPageUrl": "/sams/samsung-55in-4k-2160p-uhdsmart-led-tv-6000-series/prod22464496.ip"

},

"inventoryInfo": {

"minQtyLimit": -1,

"lowStockLevel": 5,

"maxQtyLimit": -1,

"itemLowInStockFlag": false,

"stockLevel": "inStock"

},

"priceInfo": {

"mapPriceInCents": 0,

"listPriceInCents": 44900,

"shippingAmountInCents": 0,

"shippingAmount": 0,

"originalPrice": 0,

"itemTotalInCents": 44900,

"totalMapPrice": 0,

"originalPriceInCents": 0,

"salesTax": 3500

},

"props": {

"selectedChannel": "ONLINE",

"shippingChargeIncluded": false,

"shippingDiscountEligible": true,

"freeShipEligible": false,

"specialItem": false,

"weightedItem": false,

"onlineChannelMinLimitQty": -1,

}

}]

};

products = {

  "prod": response.cartItems[0].itemInfo.itemPageUrl.split('/')[3],

  "quantity": response.cartItems[0].qty.toString(),

  "shipdays": new Date(response.cartItems[0].itemInfo.minDeliveryDate),

  "shipvalue": response.cartItems[0].props.shippingDiscountEligible?'free-plus':'',

  "subtotal": (response.cartItems[0].qty) \* (response.cartItems[0].

priceInfo.listPriceInCents/100),

  "uprice": (response.cartItems[0].priceInfo.listPriceInCents/100)

.toLocaleString("en-US", {style:"currency", currency:"USD"}),

};

console.log(products);

// for the last question, if I used the previous name of products (oSiteCatalyst.products), it will show an error because oSiteCatalyst is not defined in the sample response payload, so I changed it to products.

Below is the console result:

All the questions console the correct results.

