// Q.1 JAVASCRIPPT QUESTION

function ReversedStrin(str){

    return str.split('').reverse().join('');

}

function Delay(str){

    setTimeout(function(){

        let reversed = ReversedStrin(str);

        console.log("Reversed String is : "+reversed);

    },2000);

}

Delay('PW Skills');

// Q.2 JAVASCRIPT QUESTION

function randomNumber(){

    return Math.floor(Math.random()\*100)

}

function delayNumber(second){

    console.log(`Generating a random number after delay ${second} seconds...`);

    let countdonw = 4;

    const countdonwInterval = setInterval(() => {

        console.log(`${countdonw} second remaining...`);

        countdonw--;

        if(countdonw === 0){

            clearInterval(countdonwInterval);

            const ranNumber = randomNumber();

            console.log(`Random Number generated ${ranNumber}`);

        }

    },1000);

}

delayNumber(4);

// Q.3 JAVASCRIPT QUESTION

const list = [

    {

        name: "LED Monitor",

        category: "display",

        priceUSD: 3599,

    },

    {

        name: "MacBook",

        category: "Laptop",

        priceUSD: 4999,

    },

    {

        name: "Smart Watch",

        category: "watch",

        priceUSD: 1299,

    },

];

const exchangeRate = 80;

function convertINR(price){

    return price\*exchangeRate;

}

const itemINR = list.map((item) => ({

    ...item,

    price: convertINR(item.priceUSD),

}));

console.log(itemINR);

// Q.4 JAVASCRIPT QUESTION

const books = [

    {

        title: "Educated",

        author: "Tara Westover",

        year: 1990,

    },

    {

        title: "Becoming",

        author: "Michelle Obama",

        year: 1993,

    },

    {

        title: "Where the Crawdads Sing",

        author: "Delia Owens",

        year: 1997,

    },

    {

        title: "Normal People",

        author: "Sally Rooney",

        year: 2018,

    },

    {

        title: "The Goldfinch",

        author: "Donna Tartt",

        year: 2011,

    },

];

const filterbooks = books.filter((book) => {

    return book.year >= 2010;

});

const result = filterbooks.map((book) => {

    return{

        ...book,

        author: book.author.toUpperCase(),

    };

});

console.log(result);

// Q.5 JAVASCRIPT QUESTION

function isValid(url){

    const regex = /^(https?:**\/\/**)[a-zA-Z0-9.\_-]+**\.**[a-zA-Z]+$/;

    return regex.test(url);

}

const testUrl = [

    "http://pwSkills.com",

    "http://google.com",

    "http://linkdln.com",

    "http://youtube.com",

    "http://instagram.com",   // All Valid URL

    // "http:///.com", // Is not Valid URL

];

testUrl.forEach((url) => {

    if(isValid(url)){

        console.log(`${url} is a Valid URL `);

    }else{

        console.log(`${url} is a not Valid URL `);

    }

});

// Q.6 JAVASCRIPT QUESTION

function isValidLinkedInURL(url) {

    const regex = /^https:**\/\/**www**\.**linkedin**\.**com**\/**in**\/**[a-zA-Z0-9\_-]{5,30}[a-zA-Z0-9]$/;

    return regex.test(url);

  }

  const testUrls = [

    "https://www.linkedin.com/in/john\_doe123",

    "https://www.linkedin.com/in/jane\_doe",

    "https://www.linkedin.com/in/user-1234",

    "https://www.linkedin.com/in/user+567",

  ];

  testUrls.forEach(url => {

    if (isValidLinkedInURL(url)) {

      console.log(`${url} is a valid LinkedIn profile URL`);

    } else {

      console.log(`${url} is not a valid LinkedIn profile URL`);

    }

  });