Q.1

---->

//Create a for loop that iterates up to 100 while outputting "fizz" at multiples of 3, "buzz" at multiples of 5 and "fizzbuzz" at multiples of 3 and 5.

for (let i = 0; i < 100; i++) {

if(i %3 == 0 && i%5 == 0){

console.log(i, " fizzbuzz")

continue;

}

else if (i%3 ==0) {

console.log(i," fizz");

continue

}

else if (i%5 == 0) {

console.log(i," buzz");

continue;

}

}

//OutPut

/\*

0 " fizzbuzz"

ques1.js:10 3 " fizz"

ques1.js:14 5 " buzz"

ques1.js:10 6 " fizz"

ques1.js:10 9 " fizz"

ques1.js:14 10 " buzz"

ques1.js:10 12 " fizz"

ques1.js:6 15 " fizzbuzz"

ques1.js:10 18 " fizz"

ques1.js:14 20 " buzz"

ques1.js:10 21 " fizz"

ques1.js:10 24 " fizz"

ques1.js:14 25 " buzz"

ques1.js:10 27 " fizz"

ques1.js:6 30 " fizzbuzz"

ques1.js:10 33 " fizz"

ques1.js:14 35 " buzz"

ques1.js:10 36 " fizz"

ques1.js:10 39 " fizz"

ques1.js:14 40 " buzz"

ques1.js:10 42 " fizz"

ques1.js:6 45 " fizzbuzz"

ques1.js:10 48 " fizz"

ques1.js:14 50 " buzz"

ques1.js:10 51 " fizz"

ques1.js:10 54 " fizz"

ques1.js:14 55 " buzz"

ques1.js:10 57 " fizz"

ques1.js:6 60 " fizzbuzz"

ques1.js:10 63 " fizz"

ques1.js:14 65 " buzz"

ques1.js:10 66 " fizz"

ques1.js:10 69 " fizz"

ques1.js:14 70 " buzz"

ques1.js:10 72 " fizz"

ques1.js:6 75 " fizzbuzz"

ques1.js:10 78 " fizz"

ques1.js:14 80 " buzz"

ques1.js:10 81 " fizz"

ques1.js:10 84 " fizz"

ques1.js:14 85 " buzz"

ques1.js:10 87 " fizz"

ques1.js:6 90 " fizzbuzz"

ques1.js:10 93 " fizz"

ques1.js:14 95 " buzz"

ques1.js:10 96 " fizz"

ques1.js:10 99 " fizz"

\*/

Q.2

--->

//Destructure the following object

const student = {

name: "Omkar",

age :22,

project:{tiktaktoe:" Two player game using python",

}

}

const {name,age,project:{tiktaktoe}} =student;

console.log(`Student name is ${name} ,His age is ${age}.\nAnd ${name}'s project is : ${tiktaktoe}`)

/\*

Output:

Student name is Omkar ,His age is 22.

And Omkar's project is : Two player game using python

\*/

Q.3

--->

/\*

Imagine you are going out to do some grocery shopping.

So you have an array called shoppingList with all the products you want to buy.

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Now that you are inside of the shop, you have a basket with all the products from your list, but you want to add a few more.

Create a new array called shoppingBasket, that will be a copy of the shoppingList array, and add some new products into it.

\*/

let shopping\_List =["Shirt","t-shirt","Perfume","goggles","Belt","Shoes","sandels",];

console.log("My shopping list is: ",shopping\_List);

let Bucket\_List = [...shopping\_List,"Headphones","Locket","Mobile Backcover"];

console.log("My final Bucket List is : ",Bucket\_List);

Q.4

-->

let operation = Number(prompt(" Enter 1.ADD 2. Sub 3.Division 4. Multiplication 5. squareroot 6. percentage"));

let num1 = Number(prompt("enter first Number")) ;

let num2 =Number(prompt("enter second number"))

switch (operation) {

case 1:

console.log("addition is : ",num1+num2)

break;

case 2:

console.log("Subtitution is : ",num1-num2)

break;

case 3:

console.log("Division is : ",num1/num2)

break;

case 4:

console.log("Multiplication is : ",num1\*num2)

break;

case 5:

console.log("squareroot is : ",Math.sqrt(num1+num2))

break;

case 6:

console.log("percentage is : ",Math.floor(num1/num2\*100))1;

break;

default:

console.log("Enter right Choice")

break;

}

Q.5

-->

function mycommission(){

var amt=Number(document.getElementById("amount").value);

var sum=0;

switch (true) {

case (amt>20000):{

let val=Math.round((10/100)\*amt);

console.log(sum);

sum=sum+val;

}

case (amt>10001 || amt<20000):{

let v=Math.round((7/100)\*20000);

console.log(sum);

sum=sum+v;

}

case (amt>5001 || amt<10000 ):{

let a=Math.round((5/100)\*10000);

console.log(sum);

sum=sum+a;

}

case (amt>0||amt<5000):{

let l=Math.round((2/100)\*5000);

console.log(sum);

sum=sum+l;

console.log(l,sum);

}

default:

document.getElementById('printamt').innerHTML="Your Commission is "+sum+".";

break;

}

}

Q.7

-->

The code using a label:

let n = 10;

nextPrime:

for (let i = 2; i <= n; i++) { // for each i...

for (let j = 2; j < i; j++) { // look for a divisor..

if (i % j == 0) continue nextPrime; // not a prime, go next i

}

alert( i ); // a prime

}

Q.8

-->

function ask(question, yes, no) {

if (confirm(question)) yes()

else no();

}

ask(

"Do you agree?",

() => alert("You agreed."),

() => alert("You canceled the execution.")

);