SCS2208 Practical Session3

20000243-G.P.Chathumadu ------- 2020/CS/024

Q1----→Q4

```
const prompt = require("prompt-sync")()
var flowerName = "Lili";
var x=5;
var y=6;
var z=x+y;
const price1=45;
const price2=90;
let total=price1+price2;
let flowers=['Red rose','Sun flower','Jasmine'];
```

Q5

```
let person={
    firstName:"Pasindu",
    lastName:"Chathumadu",
    age:23,
    eyeColor:"Black",
}
```

Q6

let length = 16; // Integer data type

let lastname = “smith”; //String data type const

const x = {

firstname : “kumara”,

lastname : “amunapperuma”

}; //x is an object firstname and lastname are properties both are strings.

Q7--→Q8

```
var fahrenheit = prompt("Enter the Fahrenheit:");
function converter(temperature){
    let celsius = ((temperature-32)/1.8);
    return celsius;
}
console.log("The celsius value:" +converter(fahrenheit));
console.log("The celsius value of 77f is:" +converter(77));
```

Q9---→Q10

```
let Person={
    firstName:"Kasun",
    lastName:"senarath",
    age:23,
    eyeColor:"black",
    fullName:function(){
        return  this.firstName+" "+this.lastName;
    }
}
console.log("Full name:"+ Person.fullName());
let time= prompt("Enter the time:");
if(time<10){
    console.log("Good morning");
}
else if(time<20){
    console.log("Good day");
}
else{
    console.log("Good evening");
}
```

Q11

```
switch (key) {
   case "Yellow":
       console.log("The fruit is banana");
       break;
```

```
    case "Orange":
        console.log("The fruit is pineapple");
        break;
    case "Green":
        console.log("The fruit is apple");
        break;

    default:
        break;
}
```

Q12----→Q13

```
for(var num=0;num<=9;num++){
    console.log(num);
}
let i=8;
while(i<10){
    console.log("I am in the loop");
    i--;
    if(i==5){
        break;
    }
}
```

Q14

```
let sentence = prompt("Enter the string:");
let new_string=" ";
for(let i=0;i<sentence.length;i++){
    if(sentence[i]==sentence[i].toUpperCase()){
        new_string+=sentence[i].toLowerCase();
    }
    else{
        new_string+=sentence[i].toUpperCase();
    }
}
console.log(new_string);
```

Q15

```
let color=["Blue","Green","Red","Orange","Violet","Indigo","Yellow"];
let o=["st","nd","rd","th"];
for(let i=0;i<7;i++){
    if(i==0){
        console.log((i+1)+o[i]+" choice is"+ color[i]);
    }
    else if(i==1){
        console.log((i+1)+o[i]+" choice is"+ color[i]);
    }
    else if(i==2){
        console.log((i+1)+o[i]+" choice is"+ color[i]);
    }
    else{
        console.log((i+1)+o[3]+" choice is"+ color[i]);
    }
}
```

Q16

```
const prompt = require("prompt-sync")()
let array_1=new Array();
let array_2=new Array();
console.log("-------This is first array---------");
for(let num=0;num<3;num++){
    let value=prompt("Enter the value:");
    array_1.push(value);
}
console.log("--------This is second array------");
for(let num=0;num<3;num++){
    let value=prompt("Enter the value:");
    array_2.push(value);
}
console.log(array_1);
console.log(array_2);
let array_3=array_1.concat(array_2);
var len=array_3.length;
```


for(let j=0;j<len;j++){
for(let i=j+1;i<len;i++){
if(array_3[j]==array_3[i]){
delete array_3[i];
len--;
}
}
}
console.log(array_3);