

PROBLEM 1:

```
var massH = 80;
```

```
var heightH = 2;
```

```
var massS= 72;
```

```
var heightS = 1.89;
```

```
let bmiH = massH/heightH^2;
```

```
let bmiS = massS/heightS^2;
```

```
console.log(bmiH);
```

```
console.log(bmiS);
```

```
let bool = (bmiH > bmiS)? "Harry's BMI is higher than Salman": "Salman's BMI is higher than Harry's"
```

```
console.log(bool);
```

output:

```
42
36
Salman's BMI is higher than Harry's
```

PROBLEM 2:

```
function avg(arr){
```

```
    let a = 0;
```

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

```
        a = a+arr[i];
```

```
    }
```

```
    return a;
```

```
}
```

```
let salman = avg([89,120,103]);
```

```
let mike = avg([116,94,123]);
```

```
console.log(salman);
```

```
console.log(mike);
```

```
let dec = (salman > mike)? "Salman is winner": "Mike is winner";
```

```
console.log(dec);
```

OUTPUT:

```
312
333
Mike is winner
```

PROBLEM 3:

```
let bill = [124,48,268];
let tip = [0.15,0.2,0.1];
var givenTip = [];
var s=[];
for(let i=0; i < bill.length; i++){
let calc = bill[i] * tip[i];
givenTip.push(calc);
let a = givenTip[i]+bill[i];
s.push(a);
}
console.log(s)
console.log(givenTip);
```

```
[ 142.6, 57.6, 294.8 ]
[ 18.599999999999998, 9.600000000000001, 26.8 ]
```

PROBLEM 4:

```
let obj = {
  bill: [],
  tips:[]
};
let bill = [124,48,268,180,42];
let tip = [0.15,0.2,0.1,0.15,0.2];
```

```
for(let i=0; i < bill.length; i++){
let calc = bill[i] * tip[i];
obj.tips.push(calc);
let a = obj.tips[i]+bill[i];
obj.bill.push(a);
}
console.log(obj.bill);
console.log(obj.tips);
```

OUTPUT:

```
[ 142.6, 57.6, 294.8, 207, 50.4 ]
[ 18.599999999999998, 9.600000000000001, 26.8, 27, 8.4 ]
```

PROBLEM 5:

```
let obj = {  
  harry:{  
    fullname : "Harry",  
    mass: 80,  
    height: 2,  
  },  
  salman:{  
    fullname : "Salman",  
    mass: 72,  
    height: 1.89,  
  }  
};  
  
let bmiH = obj.harry.mass/obj.harry.height^2;  
let bmiS = obj.salman.mass/obj.salman.height^2;  
  
obj.harry["bmi"]=bmiH;  
obj.salman["bmi"]=bmiS;  
  
console.log(obj.harry ["bmi"]);  
console.log(obj.salman ["bmi"]);
```

42
36

