Javascript: If Else

1.Find Even or Odd.

Code:

```
let n=45;
if(n%2==0){
    console.log("Number is even");
}
else{
    console.log("Number is odd");
}
```

OUTPUT:

Number is odd

2.Pin Number is Valid or Not.

```
2. let p=1234;
if(p==1234){
    console.log("Pin number is valid");
}
else{
    console.log("Pin number is not valid");
}
```

OUTPUT:

Pin number is valid

3.Display Cost Price and Selling Price find Profit and Loss in Percentage /Ammount.

```
var cost_price= 10000;
var sall_price=15000;
let amount;
let disc;

if(cost_price>sall_price){
    amount=cost_price-sall_price;
    disc=(amount/cost_price)*100;
    console.log("profit=",amount);
    console.log("percentage=",disc);
}
else if(sall_price>cost_price){
```

```
    amount=sall_price-cost_price;
    disc=(amount/cost_price)*100;
    console.log("profit=",amount);
    console.log("percentage=",disc);
}
else{
    console.log("no profit no loss");
}
```

OUTPUT:

profit= 5000

profit.js:16 percentage= 50

4.Write a program of maximum of 3 number.

```
let a=8;
let b=9;
let c=3;
if(a>b && a>c){
    console.log("a is max",a);
}
else if(b>a && b>c){
    console.log("b is max",b);
}
else if(c>a && c>b){
    console.log("c is max",c);
}
else if(a==b && a>c){
    console.log("a and b is equal & max");
}
else if(a==c && a>b){
    console.log("a and c equal and max");
}
else if(c==b && c>a){
    console.log("c and b is equal & max");
}
else{
    console.log("All are equal");
}
```

OUTPUT:

b is max 9

5.Display tow points from whether find quadrant.

```js
var x=20;
var y=-50;
if(x>0 && y>0){
    console.log("I quadrant");
}
else if(x<0 && y>0){
    console.log("II quadrant");
}
else if(x<0 && y<0){
    console.log("III quadrant");
}
else if(x>0 && y<0){
    console.log("IV quadrant");
}
else if(y==0 && x>0){
    console.log("on +x axis");
}
else if(y==0 && x<0){
    console.log("on -x axis");
}
else if(x==0 && y>0){
    console.log("on +y axis");
}
else if(x==0 && y<0){
    console.log("on -y axis");
}
else{
    console.log("At origin");
}
```

OUTPUT:

IV quadrant

6.Display three subject marks from its total,per,class.

```js
let m1=88;
let m2=90;
let m3=75;
total=88+90+75;
percentage=(total/3);
if(percentage>=75){
    grade="Distinction";
```

```
}
else if(percentage>=60){
    grade="Frist Class";
}
else if(percentage>=50){
    grade="Second Class";
}
else if(percentage>=35){
    grade="Pass Class";
}
else{
    grade="Fail";
}
console.log("Total Marks:",total);
console.log("Percentage:",percentage);
console.log("Class:",grade);
```

OUTPUT:

Total Marks: 253

 Percentage: 84.33333333333333

Class: Distinction

7.Display unit from user and calculate electricity bill.

```
let unit=400;
if(unit<=100){
    bill=unit*1.5;
}
else if(unit<=300){
    bill=100*1.5+(unit-100)*2.5;
}
else if(unit<=500){
    bill=100*1.5+200*2.5+(unit-300)*4.5;
}
else{
    bill=100*1.5+200*2.5+200*4.5+(unit-500)*6.0;
}
console.log("The electricity bill is:",bill);
```

OUTPUT:

The electricity bill is: 1100

8.Dispaly bs from & its tax bs=150000 no tax bs=150000>&bs300000 7% tax on bs.

```
let bs=350000;
```

```
if(bs<150000){
    tax=0;
}
else if(bs<150000 && bs<300000){
    tax=bs*0.05;
}
else if(bs>=300000){
    tax=bs*0.07;
}
else{
    tax=bs*0.08;
}
console.log("Tax:$",tax);
```

OUTPUT:

Tax:$ 24500.000000000004

9.Display max from 4 number .

```
let n1=5;
let n2=8;
var n3=6;
var n4=4;
if(n1>=n2 && n1>=n3 && n1>=n4){
    max=n1;
}
else if(n2>=n1 && n2>=n3 && n2>=n4){
    max=n2;
}
else if(n3>=n1 && n3>=n2 && n3>=n4){
    max=m3;
}
else if(n4>=n1 && n4>=n2 && n4>=n3){
    max=m4;
}
console.log("The maximum number is:",max);
```

OUTPUT:

he maximum number is: 8

10.Display minimum three number

```
let a=8;
```

```
let b=6;
let c=4;
if(a>b){
    if(a<c){
        console.log("a is min");
    }
    else{
        console.log("c is min");
    }
}
else{
    if(b<c){
        console.log("b is min");
    }
    else{
        console.log("c is min");
    }
}
```

OUTPUT:

c is min