JAVA SCRIPT TASK –7

1.Check if a number is even or odd.

Question:

Write a JavaScript program that prompts the user to enter a number and alerts "Even" if the number is even,Or "Odd" if the number is odd. Use the modules operator % to check the number is divisible by 2.

Input (via Prompt):

Enter a number:7

Expected Output (via alert):

"Odd"

Code:

```
var a=prompt("Enter number is :7")
    console.log(a);
    if(a %2==0){
      alert(`The Given Number ${a} is Even`)
    }
    else{
      alert(`The Given Number ${a} is Odd`)
    }
```

Input (via Prompt):

Enter a number:10

Expected Output (via alert):

"Even"

Code:

```
var a=prompt ("Enter number is :10")
    console.log(a);
    if (a %2==0){
      alert(`The Given Number ${a} is Even`)
    }
    else{
      alert(`The Given Number ${a} is Odd`)
```

```
    }
```

2.Compare Two Numbers

Question:

Write a JavaScript program that prompts the user to enter two numbers and alerts:

"Greater" if the first number is greater than the second.

"Equal" if both numbers are equal,

"Smaller" if the first number is smaller than the second.

Input (via Prompt):

Enter the first number:10

Enter the second number:5

Expected Output (via alert):

"Greater"

Code:

```
var a=+prompt("Enter the First Number:10")
    var b=+prompt("Enter The Second Number:5")
    if(a>b){
      alert("Greater")
    }
    else if(a<b){
      alert("Smaller")
    }
    else{
    alert("Euqal")
    }
```

Input (via Prompt):

Enter the first number:7

Enter the second number:7

Expected Output (via alert):

"Equal"

Code:

```
var a=+prompt("Enter the First Number:7")
    var b=+prompt("Enter The Second Number:7")
    if(a>b){
      alert("Greater")
    }
    else if(a<b){
      alert("Smaller")
    }
    else{
    alert("Euqal")
    }
```
/

3.Driving Eligibility Check

Question:

Write a Java Script program that prompts the user to enter their age and whether they have a valid driver's license (true or false). The program should alert "Can drive" if the person is 18 or older and has a valid driver's license, otherwise it should alert "Cannot drive".

Input (via Prompt):

Enter your age:20

Do you have a valid driver's license(true/false): true

Expected Output (via alert):

"Can drive"

Code:

```
let x=+prompt("Enter your age:20")
    havelicense=true;
    if(x>18&& havelicense==true){
      alert("Can Drive")
    }
    else{
      alert ("Can't Drive")
    }
```

Input (via Prompt):

Enter your age:16

Do you have a valid driver's license(true/false): true

Expected Output (via alert):

"Cannot drive"

```
let x=+prompt("Enter your age :16")
    havelicense=true;
    if(x>18&& havelicense==true){
      alert("Can Drive")
    }
    else{
      alert("Can't Drive")
    }
```

4.Determine if a Number is Positive, Negative, or Zero.

Question:

Write a JavaScript program that prompts the user to enter a number and alerts "Positive"if the number is greater than 0," Negative" if the number is less than 0, or "Zero" if the number is 0.

Input (via prompt):

Enter a number:5

Expected output (via alert):

"Positive"

```
let a=+prompt("Enter a number:5")
    if(0<a){
      alert(`${a} is a positive number`)
    }
    else if(0>a){
      alert(`${a} is a negative number`)
    }
    else{alert(`${a} is equal`)}
```

Input (via prompt):

Enter a number: -3

Expected output (via alert):

"Negative"

```
let a=+prompt("Enter a number:-3")
    if(0<a){
      alert(`${a} is a positive number`)
    }
    else if(0>a){
      alert(`${a} is a negative number`)
    }
    else{alert(`${a} is equal`)}
```

Input (via prompt):

Enter a number:0

Expected output (via alert):

"Equal"

```
let a=+prompt("Enter a number:0")
    if(0<a){
      alert(`${a} is a positive number`)
    }
    else if(0>a){
      alert(`${a} is a negative number`)
    }
    else{alert(`${a} is equal`)}
```