// 1.Write a program for Even and Odd.

let a = 20;

if (a % 2 == 0) {

  console.log(" Number is Even");

} else {

  console.log("Number is Odd");

}

//\*\*\*\*\*O/P: Number is Even

//2.Write a program for number is Divisible by 17 or not.

let c = 17;

if(c%17 == 0){

    console.log("The given number is Divisible by 17");

}else{

    console.log("The Given number is not divisible by 17");

}

//\*\*\*\*\*O/P: The given number is Divisible by 17

//3. Write a program for display minimum of two numbers.

let p =28;

let q =45;

if(p>q){

    console.log("p is Minimum number");

}

else if(p<q)

{

    console.log("q is Minimum Number");

}

else

{

    console.log("Both Number is Equal");

}

//\*\*\*\*\*O/P: q is Minimum Number

//4. Write a program to check number is positive or not.

let n = 40;

if(n>0){

    console.log("Number is Positive");

}

else if(n<0){

    console.log("Number is Negative");

}

//\*\*\*\*\*O/P: Number is Positive

//5.Wrire a program to Accept x,y,z number from user and check a number is betwwen y & z.

let x = 23;

let y = 45;

let z = 24;

if(x>y && a<z){

    console.log("x is between y and z");

}

else{

    console.log("x is Not between y and z");

}

//\*\*\*\*\*O/P: x is Not between y and z

// 6.Area of Circle.

let A;

let r = 20;

A=3.14\*r\*r;{

    console.log("Area=",A)

}

//\*\*\*\*\*O/P: Area= 1256

//7. Area of rectangle.

let L=100;

let b=12;

let A;

A = L\*b;

{

    console.log("Area of Rectangle=",A)

}

//\*\*\*\*\*O/P:Area of Rectangle= 1200

//8.Addition of Two numbers.

let s = 50;

let h = 50;

let k;

k=s+h;

{

    console.log("Addition=",k)

}

//\*\*\*\*\*O/P: Addition= 100

//9.Kinetic Energy.

let M = 10;

let v= 10;

let Ke;

Ke=0.5\*M\*v\*v;

{

    console.log("kinetic energy is=",Ke);

}

//\*\*\*\*\*O/P: kinetic energy is= 500

//10.Potential Energy.

let m = 10;

let h = 20;

let g = 9.8;

let pe;

pe=m\*g\*h;

{

    console.log("potential is=",pe);

}

// \*\*\*\*\*O/P: potential is= 1960.