//1.String

// let var1="My name is abhishek kumar";

//2.Number

//(a) Integer

// let var2=55;

//(b) floating value

// let var3=2.3;

//(c) infinity

// let var4=Number.POSITIVE\_INFINITY;

//(d) not a number

//let var5=NaN;

//3. Bigint

//let var6=1024n;

//4.Boolean

//let var7=true;

//5.Undefined

//let var8=undefined;

//6.Null

// let var9=null;

//8.Symbol

// let var10=Symbol("RADHE-RADHE");

//9.Objects

//(a)Array

// let var11=[1,2,"radhe-radhe"];

//(b)Object

// let var12={name:"pw-skills",course:"fswd"}

//2.ARRAY OF 10 PRODUCT THAT I HAVE RECENTLY VISITED

//let itemVisited=["notebook","gate pyq","radhe krishna photo","dairy","pens","waterbottle","college bag","Tshirts","trousers","ear-buds"];

//console.log(itemVisited);

//3.Object of a student registory

//let obj1={1:"abhishek",2:"radhe-maa",3:"radhe",4:"guru-dev",5:"mahadev"};

//console.log(obj1);

//4.Variables and typeof

//1.String

// let var1="My name is abhishek kumar";

//console.log(typeof(var1));

//2.Number

//(a) Integer

// let var2=55;

//console.log(typeof(var2));

//(b) floating value

// let var3=2.3;

//console.log(typeof(var3));

//(c) infinity

// let var4=Number.POSITIVE\_INFINITY;

//console.log(typeof(var4));

//(d) not a number

//let var5=NaN;

//console.log(typeof(var5));

//3. Bigint

//let var6=1024n;

//console.group(typeof(var6));

//4.Boolean

//let var7=true;

//console.log(typeof(var7));

//5.Undefined

//let var8=undefined;

//console.log(typeof(var78));

//6.Null

// let var9=null;

//console.log(typeof(var9));

//8.Symbol

// let var10=Symbol("RADHE-RADHE");

//console.log(typeof(var10));

//9.Objects

//(a)Array

// let var11=[1,2,"radhe-radhe"];

//console.log(typeof(var11));

//(b)Object

// let var12={name:"pw-skills",course:"fswd"}

//console.log(typeof(var12));

//5.(a) Valid-variables

//let a1="radhe-maa";

//console.log(a1);  //output:"radhe-maa"

//let a2=199;

//console.log(a2);  //output:199

//(b) Invalid variables

//let 1a="krishna";

//console.log(1a);  //output:Syntax error:invalid token

//let else="gurudev";

//console.log(else); //output:Syntax error:unexpected token

//Operators

//1.multiplication table

// let number=6;

// console.log("${number}\*1 = ${number \* 1}")

// console.log("${number}\*2 = ${number \* 2}")

// console.log("${number}\*3 = ${number \* 3}")

// console.log("${number}\*4 = ${number \* 4}")

// console.log("${number}\*5 = ${number \* 5}")

// console.log("${number}\*6 = ${number \* 6}")

// console.log("${number}\*7 = ${number \* 7}")

// console.log("${number}\*8 = ${number \* 8}")

// console.log("${number}\*9 = ${number \* 9}")

// console.log("${number}\*10 = ${number \* 10}")

//2.Perform all the arithmethic operations

// let num1=10;

// let num2=20;

//Additions:

// console.log("Addition of num1 and num2 is ${num1 + num2}");

//Substraction

// console.log("Sbstraction of num1 and num2 is ${num1 - num2}");

//Mutiplication

// console.log("Multiplication of num1 and num2 is ${num1 \*num2}");

//Divison

// console.log("Division of num1 and num2 is {num1 /num2}");

//Modulus

// console.log("Modulus of num1 and num2 is {num1 % num2");

//Exponentiation

// console.log("exponentition of num1 and num2 is {num1\*\*num2}");

//3.Perimeter of rectangle

// let height=100;

// let width=50;

// let perimeter0fRectange=2\*(height+width);

// console.log("Perimeter of rectangle with height: ${height} and width: ${width} is ${perimeterOfRectangle}");

//4.Comparison operator

//equal

// let num1="12";

// let num2=12;

// console.log(num1==num2);//output:true

// let num3=12;

// let num4=15;

// console.log(num3==num4);//output:false

// //not equal

// let num5=15;

// let num6=17;

// console.log(num5!=num6);//output:true

// let num7=15;

// let num8=15;

// console.log(num7!=num8);//output:false

// strictly equal

// let num9=15;

// let num10="15";

// console.log(num9===num10);//output:false

// let num11="15";

// let num12="15";

// console.log(num11===num12);

//strictly not equal

// let num13="13";

// let num14=13;

// console.log(num13!==num14);//output:true

// let num15="15";

// let num16="15";

// console.log(num15!==num16);//output:false

//greator than

// let num17=2;

// let num18=1;

// console.log(num17>num18);//output:true

// let num19=6;

// let num20=8;

// console.log(num19>num20);//output:false

//greator than or equal to

// let num21=10;

// let num22=10;

// console.log(num21>=num22);//output:true

// let num23=16;

// let num24=45;

// console.log(num23>=num24);//output:false

//less than

// let num25=25;

// let num26=67;

// console.log(num25<num26);//output:true

// let num27=67;

// let num28=25;

// console.log(num27<num25);//output:false

// //less than or strictly less than

// let num29=26;

// let num30=37;

// console.log(num29<=num30);//output:true

// let num31=26;

// let num32=16;

// console.log(num31<=num32);//ouput:false

//conditional

// let trafficLight="yellow";

// if(trafficLight=="red"){

//     console.log("Vehicle must stop");

// }

// else if(trafficLight=="orange"){

//     console.log("Vehicle must wait,signal is changing to  red or green");

// }

// else if(trafficLight=="green"){

//     console.log("Vehicle must procced with caution");

// }

// else{

//     console.log("iNVALID TRAFFIC LIGHT")

// }

//program to print largest of two number

// let number1=16;

// let number2=45;

// if(number1>number2){

//     console.log("number1 > number2");

// }

// else{

//     console.log("number1 is less than number2");

// }

//divisibility program

// let number4=27;

// if(number4%3==0 && number4%5==0){

//     console.log("FizzBuzz");

// }

// else if(number4%3==0){

//     console.log("Fizz");

// }

// else if(number4%5==0){

//     console.log("Buzz");

// }

// else{

//     console.log("ïnvalid input");

// }

//Switch case

// let day="Saturday";

// let daysUntillWeekend;

// switch(day){

//     case "Monday":

//         console.log("There are five days untill the weekend");

//         break;

//     case "Tuesday":

//         console.log("There are four days untill the weekend ");

//         break;

//     case "Wednesday":

//         console.log("There are three days untill the weekend");

//         break;

//     case "Thrusday":

//         console.log("There are two days untill the weekend");

//         break;

//     case "Friday":

//         console.log("There are one day untill the weekend");

//         break;

//     case "Saturday":

//     case "Sunday":

//         console.log("There are zero days untill the weekends");

//         break;

//     default:

//         daysUntillWeekend="invalid day";

//         console.log(daysUntillWeekend);

// }

// let monNum=5;

// switch(monNum){

//     case 1:

//         console.log("January");

//         break;

//     case 2:

//         console.log("February");

//         break;

//     case 3:

//         console.log("March");

//         break;

//     case 4:

//         console.log("April");

//         break;

//     case 5:

//         console.log("May");

//         break;

//     case 6:

//         console.log("June");

//         break;

//     case 7:

//         console.log("July");

//         break;

//     case 8:

//         console.log("August");

//         break;

//     case 9:

//         console.log("September");

//         break;

//     case 10:

//         console.log("October");

//         break;

//     case 11:

//         console.log("November");

//         break;

//     case 12:

//         console.log("December");

//         break;

//     default:

//         console.log("Invalid month number");

// }

//Ternary conditions

// let numb=0;

// a=numb>=0 ? numb>0 ? "Positive":"Zero" : "Negative";

// console.log(a);

// let numb1=15;

// let numb2=15;

// b=numb1>=numb2 ? numb1>numb2 ?"numb1 is greator than numb2" : "numb1 is equal to numb2" :  "numb1 is less than numb2";

// console.log(b);

//Loops

// let numb4=5;

// for(let i=1;i<=10;i++){

//     console.log("${numb4} \* ${i} = ${numb4 \* 1}");

// }

// let numb5=16;

// for(let i1=1;i1<=numb5;i1++){

//     if(i1%2==0){

//         console.log(i1);

//     }

// }