**Second Assignment:** If else Practice questions

***Enter two numbers and find the biggest number.***

let a=200;

let b=450;

if(a>b){

console.log("A is biggest");

}

else {

console.log("b is biggest");

}

***Enter a number and check if it is odd or even.***

let n=24;

if(n%2==0)

{

console.log("Even Number");

}

else

{

console.log("Odd Number");

}

***Enter a number and check it is positive negative or zero***

let a,b;

a = 23;

b = 23;

n=a-b;

if(n>0){

console.log("Value is positive Number");

}

else if(n<0){

console.log("value is negative number");

}

else{

console.log("value is zero");

}

***Enter a number and check if it is divisible by 3 or 5.***

let n=14;

if(n%3==0)

{

if(n%5==0)

{

console.log("Its divided by 3 and 5");

}

else

{

console.log("It is not divided by 3 and 5");

}

}

else

{

console.log("It is not divided by 3 and 5");

}

***Enter a number and find its absolute value.***

let a=10;

if(a>=0){

console.log(a)

}

elseif(a<=0)

{

console.log(a\*-1);

}

***Enter 3 number and find biggest of them (also try this problem with ternary)***

let a,b,c;

a = 1785;

b = 61;

c = 588;

if(a>b)

{

if(a>c){

console.log("Biggest number is a")

}else{

console.log("biggest number is c")

}

}

else

{

if(b>c){

console.log("biggest number is b")

}else{

console.log("biggest number is c")

}

}

***Enter 3 numbers and find the second smallest number.***

let a=10,b=20,c=15;

if((a<b)&&(a<c))

{

if(b<c){

console.log("b is second smallest")

}

else(b>c)

{

console.log("c is second smallest")

}

}

***Enter three angles of triangle and check if triangle is valid or not***

let a,b,c;

a=90;

b=90;

c=34;

if((a+b)>c)

{

if((a+c)>b)

{

if((b+c)>a)

{

console.log("triangle is valid");

}

else

{

console.log("triangle is not valid");

}

}

else

{

console.log("triangle is not valid")

}

}

else

{

console.log("triangle is not valid")

}

***Enter 3 sides of a triangle and check if triangle is valid or not. If valid than check if it is equilateral, isosceles or scalene triangle***

let a,b,c;

a=50;

b=51;

c=56;

if((a==b)&&(b==c))

{

console.log("triangle is equilateral")

}

else if((a!=b)||(a1=c)||(b!=c))

{

console.log("triangle is scalene")

}

else{

console.log("triangle is isosceles");

}

***Enter a year and check if the year is leap year or not( 2100 is not a leap year)***

let year;

year = 1987;

if((year%400==0)||(year%4==0)&&(year&100==0))

{

console.log("this is leap year")

}

else{

console.log("this is not a leap year");

}

***Enter a 3 digit number and check if it's reverse is equal to the original number.***

let no=171,rem=0,mod;

while(no>0)

{

mod=no%10

rem=rem\*10+mod

no=parseInt(no/10)

}

console.log(rem)

***Enter a number from 0-6 and print day of week according, 0 for Sunday , 1 for Monday and so onn.***

let days = ["Sunday", "Monday", "Tuesday", "Wednesday", "Thursday",

"Friday", "Saturday"];

let day = 6;

if(day==0){

console.log("Todays is Sunday");

}

else if(day==1)

{

console.log("Today is Monday");

}

else if(day==2)

{

console.log("Today is Tuesday");

}

else if(day==3)

{

console.log("Today is Wednesday");

}

else if(day==4)

{

console.log("Today is Thursday");

}

else if(day==5)

{

console.log("Today is Friday");

}

else if(day==6)

{

console.log("Day is saturday");

}

else

{

console.log("No day")

***Enter marks in five subjects and find avg and grade .rule for grade:***

***avg > = 90 , Grade A***

***avg > = 80 and less than 90, Grade B***

***avg > = 70 and less than 80, Grade C***

***Else: Low grade***

let T,E,M,S,SS,Sum,avg;

T = 91;

E = 86;

M = 78;

S = 82;

SS = 87;

sum = 91+86+78+82+87

avg = sum/5

console.log("Average :", avg);

if(avg>90)

{

console.log("Grade A");

}

else if(avg > 80)

{

console.log("Grade B");

}

else if(avg > 70)

{

console.log("Grade c");

}

else{

console.log("Low grade");

}

***Enter a number and print "Hello" if divisible by 3. Print "World" if divisble by 5. And print "HelloWorld" if divisble by 15.***

let i=1;

for(i=1;i<=20;i++)

{

if(i%3==0&&i%5==0&&i%15==0)

{

console.log("fifteen")

}

else if(i%3==0)

{

console.log("Three")

}

else if(i%5==0)

{

console.log("Five")

}

else

{

console.log(i)

}

}

***Check if a number is even or odd by switch case***

let num=2

switch(num % 2)

{

case 0:

console.log("Number is Even");

break;

case 1:

console.log("Number is Odd");

break;

}