/\*find out revese of a number\*/

var ab:number=8965832;

var rv:number=0;

var lt:number;

console.log("enter number by user shown here = "+ab);

while(ab>0){

    lt=ab%10;

    rv=rv\*10+lt;

    ab=Math.floor(ab/10);

}

console.log('reverse number '+rv);

/\* palindrome number check \*/

var ac:number=123585321

var bc:number=ac;

var vr:number=0;

var tl:number;

console.log("enter number by user shown here = "+ac);

while(ac>0){

    tl=ac%10;

    vr=vr\*10+tl;

    ac=Math.floor(ac/10);

}

console.log('reverse number '+vr);

if(bc==vr)

 console.log("your number is palindrome number = "+bc);

else

 console.log("your number is not palindrome number ="+bc);

/\*Number is prime or not\*/

 var a:number=31;

 var b:number=a;

 var i:number;

 var count:number=0;

 if(a<2)

  console.log("the given number is not a prime number ="+b);

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

{

    if(a%i==0)

    count+=1;

}

if (count>2)

 console.log("the given number is not a prime number = " +b);

 else

 console.log("the given number is a prime number "+b);

 /\*find factorial of a number \*/

 var love:number=12;

 var fact:number=1;

 for(i=1;i<=love;i++){

     fact=fact\*i;

 }

 console.log("find a factorial number ="+love);

 console.log("factorial of a number = "+fact);

 // program to check an Armstrong number of three digits//

var sum = 0;

var number = 153;

var temp = number;

var remainder:number;

while (temp > 0) {

     remainder = temp % 10;

    sum = sum + remainder\*remainder\*remainder;

    temp = Math.floor(temp / 10);

}

if (sum == number) {

    console.log("this number is  an Armstrong number = "+number);

}

else {

    console.log("this number is not an Armstrong number = "+number);

}

// program to check an Armstrong number of n digits

var  number = 9474;

var sum = 0;

var length = (number + '').replace('.', '').length;

var temp = number;

while (temp > 0) {

    let remainder = temp % 10;

    sum += remainder \*\* length ;

    temp = Math.floor(temp / 10);

}

if (sum == number) {

    console.log(`${number} is an Armstrong number`);

}

else {

    console.log(`${number} is not an Armstrong number.`);

}

Result :-

