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**Arithmatic operators Answers**

1. **Take two numbers and find their sum, diff, mul, div and modulus**

let a = parseInt(prompt(‘Enter first number’));

let b = parseInt(prompt(‘Enter second number’));

let sum = a+b;

let diff = a-b;

let mul = a\*b;

let div = a/b;

let modulus = a%b;

console.log("Sum is"+sum);

console.log("Diff is"+diff);

console.log("Mul is"+mul);

console.log("Div is"+div);

console.log("Modulus is"+modulus);

1. **Take two numbers and only find their integer part when a is divided by b  
   Eg: 10/3 => 3 , 10/4=>2**

let a = parseInt(prompt(‘Enter first number’));

let b = parseInt(prompt(‘Enter second number’));

let div = Math.trunc(a/b);

console.log("Div is"+div);

1. **Take two numbers and find the power of the first number over the second.**

let a = parseInt(prompt(‘Enter first number’));

let b = parseInt(prompt(‘Enter second number’));

let power = Math.pow(a,b);

console.log(power);

1. **Take two numbers and only find their decimal part when a is divided by b.**

let a = parseInt(prompt(‘Enter first number’));

let b = parseInt(prompt(‘Enter second number’));

let ans= (a/b);

answer=ans%1;

console.log(answer);

1. **Take marks in 5 subject and find average**

let m1,m2,m3,m4,m5;

m1 = parseInt(prompt(‘Enter marks of subject 1’));

m2 = parseInt(prompt(‘Enter marks of subject 2’));

m3 = parseInt(prompt(‘Enter marks of subject 3’));

m4 = parseInt(prompt(‘Enter marks of subject 4’));

m5 = parseInt(prompt(‘Enter marks of subject 5’));

sum=m1+m2+m3+m4+m5;

avg=sum/5;

console.log("avg="+avg);

1. **Find profit by taking the cost price and sell price of a product.**

let a = parseInt(prompt(‘Enter cost price’));

let b = parseInt(prompt(‘Enter sell price’));

let profit= b-a;

console.log(profit);

1. **Take any number and find its last digit**

let a = parseInt(prompt(‘Enter a number’));

let last= a%10;

console.log(last);

1. **Take a 2 digit number and find first and last digit**

let a = parseInt(prompt(‘Enter a number’));

let last= a%10;

console.log(last);

let first;

while(a!=0) {

first = a%10;

a = a/10;

}

console.log(first);

1. **Reverse a 2 digit number**

var tmp=0, x, num, y;

num = parseInt(prompt(‘Enter 2 digit number’));

y = num;

while(num > 0){

x = num%10;

    num = parseInt(num/10);

    tmp = tmp\*10+x;

}

if(tmp == y){

console.log("The number is reverse of original number");

}

else{

  console.log("The number is not reverse of original number");

}

1. **Reverse a 3 digit number**

var tmp=0, x, num, y;

num = parseInt(prompt(‘Enter 3 digit number’));

y = num;

while(num > 0){

x = num%10;

    num = parseInt(num/10);

    tmp = tmp\*10+x;

}

if(tmp == y){

console.log("The number is reverse of original number");

}

else{

  console.log("The number is not reverse of original number");

}

1. **Enter 2 numbers and exchange their values using third variable**

let a = parseInt(prompt(‘Enter first number’));

let b = parseInt(prompt(‘Enter second number’));

let temp;

temp = a;

a = b;

b = temp;

console.log(“exchanged values are: number 1 =” + a + “number 2 =” + b);

1. **Enter 2 numbers and exchange their values without using third variable**

let a = parseInt(prompt(‘Enter first number’));

let b = parseInt(prompt(‘Enter second number’));

a = a+b;

b = a-b;

a = a-b;

console.log(“exchanged values are: number 1 =” + a + “number 2 =” + b);