

Basic Calculation

1. WAP to create simple interest calculator. User add Principle amount, Rate of interest, Number of years find accrued amount and interest amount.

-Hint

P = Principal Amount

R = Rate of interest

t = Number of years

A = Total accrued amount (Both principal and the interest)

$A = P(1+rt)$

Interest = A - P.

```
C:\Users\abhay>node
Welcome to Node.js v21.3.0.
Type ".help" for more information.
> .editor
// Entering editor mode (Ctrl+D to finish, Ctrl+C to cancel)
const simpleInterest = (p , r ,t) =>{
let principleAmount = p;
let rateOfInterest = r;
let numbersOfYears = t;

let interest = principleAmount * rateOfInterest * numbersOfYears /100;
let accruedAmount = principleAmount + interest;

console.log("Principle and Interest Amount Total is :- ",accruedAmount);
console.log("Interest is :- ", interest)

}
undefined
> simpleInterest(5000 , 10 , 5)
Principle and Interest Amount Total is :- 7500
Interest is :- 2500
undefined
> simpleInterest(1000 ,10 ,10)
Principle and Interest Amount Total is :- 2000
Interest is :- 1000
undefined
>
```

2. WAP to create students mark system. User add min 5 subject marks, and find total and percentage.

```
> .editor
// Entering editor mode (Ctrl+D to finish, Ctrl+C to cancel)
const markSystem = (a , b , c , d , e) =>{

let guj = a;
let maths = b;
let hindi = c;
let eng = d;
let san = e;

let totalMarks = guj + maths + hindi + eng + san

let per = totalMarks/5;

console.log("Total Marks :- ",totalMarks);
console.log("Percentage :- ",per);
}

undefined
> markSystem(95 ,48 ,78 ,53 ,78)
Total Marks :- 352
Percentage :- 70.4
undefined
> markSystem(85 ,68 ,74 ,73 ,88)
Total Marks :- 388
Percentage :- 77.6
undefined
> |
```