

1. Declare four variables without assigning values and print them in console

Program

```
var a,b,c,d;  
console.log(a,b,c,d);
```

Output

```
undefined undefined undefined undefined
```

2. How to get value of the variable myvar as output

```
var myvar= 1;  
console.log("myvar");
```

Program

```
var myvar= 1;  
console.log("myvar");  
console.log(myvar);
```

Answer

Instead of myvar in "" write only myvar in console .log

3. Declare variables to store your first name, last name, marital status, country and age in multiple lines

Program

```
var first_name;  
var last_name;  
var marital_status;  
var country;  
var age;
```

4. Declare variables to store your first name, last name, marital status, country and age in a single line

```
var first_name,last_name,marital_status,country,age;
```

Task 2: Simple Programs to do for Operators

1. Square of a number
2. Swapping 2 numbers
3. Addition of 3 numbers
4. Celsius to Fahrenheit conversion
5. Meter to miles
6. Pounds to kg
7. Calculate Batting Average
8. Calculate five test scores and print their average

9. Power of any number x^y .
10. Calculate Simple Interest
11. Calculate area of an equilateral triangle
12. Area Of Isosceles Triangle
13. Volume Of Sphere
14. Volume Of Prism
15. Find area of a triangle.
16. Give the Actual cost and Sold cost, Calculate Discount Of Product
17. Given their radius of a circle and find its diameter, circumference and area.
18. Given two numbers and perform all arithmetic operations.
19. Display the asterisk pattern as shown below(No loop needed):

20. Calculate electricity bill?
For example, a consumer consumes 100 watts per hour daily for one month.
Calculate the total energy bill of that consumer if per unit rate is 10?
21. Program To Calculate CGPA

```
// Square of a Number
var a=10,b=20,c=30,d;
console.log("Square of the number is",a*a);
//Swapping of Number
d=a,a=b,b=d;
console.log("After swapping A and B is",a,b);
//addition of # numbers
console.log("Addition of three number is",a+b+c);
//Celsius to Fahrenheit conversion
let Cel=10.54;//in celcius
console.log(Cel+" Celcius to Farenheit is",((Cel*9/5)+32).toFixed(2));
//meter to miles
let meter=10000;
let miles=(meter*0.000621371);
console.log(meter+" meter to miles is",miles.toFixed(2));
//pounds to kg
let pounds=1000;
console.log(pounds+" pounds to kg is",(pounds*0.453592).toFixed(2));
// Batting Average
let total_score=4567;
let total_outs=45;
console.log("Batting Average is",(total_score/total_outs).toFixed(2));
```

```

//Power x^y
let x=3,y=5;
console.log("Power of Number is",Math.pow(x,y));
//Simple Interest
let p=1000,n=6,r=6;
console.log("Simple Interest is",((p*n*r)/100).toFixed(2));
// Area of equilateral Triangle
let side=10;
console.log("Area of Equilateral triangle",((side*side*1.732)/4).toFixed(2));
//Area Of Isosceles Triangle
let base=30,height=40;
console.log("Area of Isosceles Triangle",((base*height)/2));
//Volume of Sphere
let rad=10;
console.log("volume of sphere is",((4*rad*rad*rad/3).toFixed(2)));
// Volume of prism
let base_area=20,hei=30;
console.log("Volume of Prism is ",base_area*hei);
// Area of Traingle
let ba=30,ht=40;
console.log("Area of Triangle",((ba*ht)/2));
//Calculate Discount
let AC=1899,SC=1500;
console.log("Discount is",(((AC-SC)*100)/AC).toFixed(2));
//Diameter,Circumference and Area
let ra=45;
console.log("Diameter, Circumference and Area is "+(2*ra)+" , "+(2*3.14*ra).toFixed(2)+" and "+(3.14*ra*ra).toFixed(2));
//Arithmetic Operation
var one=23,two=21;
console.log("Addition",(one+two));
console.log("Subtraction",one-two);
console.log("Multiplication",one*two);
console.log("Division",(one/two).toFixed(2));
console.log("Remainder",one%two);
console.log("Postincrement",one++,two++);
console.log("Preincrement",++one,++two);
console.log("Postdecrement",one--,two--);
console.log("Predecrement",--one,--two);
//Display Asterisk Pattern
console.log("*****");
console.log("*****");
console.log("*****");
console.log("*****");

```

```
console.log("*****");
```

Output

```
Square of the number is 100
After swapping A and B is 20 10
Addition of three number is 60
10.54 Celcius to Farenheit is 50.97
10000 meter to miles is 6.21
1000 pounds to kg is 453.59
Batting Average is 101.49
Power of Number is 243
Simple Interest is 360.00
Area of Equilateral triangle 43.30
Area of Isosceles Triangle 600
volume of sphere is 1333.33
Volume of Prism is 600
Area of Triangle 600
Discount is 21.01
Diameter, Circumference and Area is 90, 282.60 and 6358.50
Addition 44
Subtraction 2
Multiplication 483
Division 1.10
Remainder 2
Postincrement 23 21
Preincrement 25 23
Postdecrement 25 23
Predecrement 23 21
*****
*****
*****
*****
*****
```