

1. Write a java program to initialize values of various data type and print it on screen
2. Write a java program to initialize two values and swap it with use of third variable
3. Write a java program to initialize two values and swap it without use of third variable
4. Display 2 value of short, byte, integer, float, double data type variable.
5. Display 2 value of char ('T' & 87) & boolean (either true or false) data type.
6. Initialize two value of byte data type & calculate addition, subtraction, multiplication, division operation.
7. Initialize value in Rupee. & Convert it into Dollar & Pound. (1\$=50.00 Rs & 1# = 80 Rs.)
8. Initialize value of Petrol in Barrel & Convert it into Liter. (1 Barrel=159 Liter)
9. Initialize Value in Second & Convert it into minute & hour.
10. Initialize Value in minute & Convert it into second & hour.
11. Initialize Value in year & Convert it into day & month
12. Initialize Value in day & Convert it into year & month.
13. Print power of 2 values. [Use Math.pow(x,y)]
14. Print square-root of x value. [Use Math.sqrt(x)]
15. Print maximum & minimum value of x & y [Use Math.max(x,y) & Math.min(x,y)]
16. Solve the problem by evaluating the following equations:[Use Double]  
(1)  $\text{Area}=\pi r^2 + 2\pi rh$       (2)  $\text{Volume}=\text{Length} \times \text{width} \times \text{height}$   
(3)  $\text{Side}=\sqrt{a^2+b^2-2ab\cos(\theta)}$       (4)  $\text{circumference}=2\pi r$
17. Input value of degree by command line argument. Convert it into radians & find out the triangle values by using Math function sin(x), cos(x), tan(x). [Radians=degree\*PI/180]
18. Write a java program to initialize values of 5 friend's name and print it on screen.

**Write following Examples in Journal**

1,3,5,6,9,10,13,14,16,18