

LAB ASSIGNMENT - 2

1. Write a program to calculate the area & perimeter of a rectangle & print the greater one.
2. Write a program to input 3 numbers & print the largest number.
3. Write a program to input 2 numbers & print the larger number using conditional operator.
4. Write a program to input the name of salesman & total sales made by him. Calculate & print the commission earned.

TOTAL SALES	RATE OF COMMISSION
1-1000	3 %
1001-2000	8 %
2001-3000	12 %
3001 and above	15%

5. Write a program to calculate the wages of a labour.

TIME	WAGE
First 10 hrs.	Rs 60
Next 6 hrs.	Rs 15/hr
Next 4 hrs.	Rs 18/hr
Above 10 hrs.	Rs 25/hr

6. A caterer charges a certain amount for each plate, spoon & bowl. If the total no. of plates is greater than 24, he adds an extra charge of 6% on the amount. If the total no. of bowls is greater than 12, he adds an extra charge of 3% on the cost. Write a program to display the total cost.
7. Write a program to accept the age & experience of a person. Calculate his salary based on the given criteria:

AGE	EXPERIENCE	SALARY
Above 50	experienced	1,60,000
$40 \leq \text{age} \leq 50$	experienced	1,20,000
$30 \leq \text{age} \leq 39$	experienced	80,000
$25 \leq \text{age} \leq 29$	experienced	50,000
$25 \leq \text{age} \leq 29$	inexperienced	45,000
$22 \leq \text{age} \leq 24$	experienced	30,000
$22 \leq \text{age} \leq 24$	inexperienced	25,000
$18 \leq \text{age} \leq 21$	inexperienced	20,000

8. Write a program to find whether a given year is a leap year or not.

9. Write a program that will compute the volume of various geometrical shapes based on the user's choice
 - i. Vol of a cube
 - ii. Vol of a cuboid
 - iii. Vol of a cylinder
10. Write a program to calculate & print perimeter of a rectangle or circumference of a circle or volume of a cuboid using switch case.