Java Course Mid Test

1. Convert fahrenheit to celsius . (Hint : F – 32 × 5/9)

2. Write a program in Java to calculate and print the Electricity bill of a given customer.

    The customer id, customer name and unit consumed by the user should be taken from the keyboard

    and display the total amount to pay to the customer. The charge are as follow :

    Unit   Charge/unit

    upto 199   @3.20

    200 and above but less than 400   @5.50

    400 and above but less than 600   @8.80

    600 and above   @9.00

    If bill exceeds Rs.1000 then a surcharge of 15% will be charged and the minimum bill should be of Rs. 200/-

3. Write a C program to find the greatest common divisor of two numbers.

4. check whether a no. of n digit is armstrong or not i.e if digitlen=3 then 153 = 1*1*1 + 5*5*5 + 3*3*3 => 153

5.   *

      * *

      * * *

      * * * *

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6. count all even elements in an matrix.

7. Sort an Array of Integers using Bubble Sort.

8. Write definition of Each :

    (a) Class

    (b) Object

    (c) Constructor

9. Design and impliment a class Teacher having instance Variables,Constructors and methods.

    Take 5 teachers detail and print that.

10. What are advantages of OOPs.

11. Take 2 matrix dimensions and elements in that matrix and multiply them.

12. Take 10-character input from user and count the number of special

    characters, numeric, capital and small Alphabets from an array.

13. Write a menu driven program in which make a class and write methods to add,subtract,multiply,power and

    divide of 2 numbers and print result use do-While loop and switch for this .