1 Create a class named Commission. Create three overloaded methods named computeCommission(). The first method takes two double parameters representing sales and rate(eg. 0.25), multiplies them, and then displays the results. The second method takes two parameters: a double sales figure and an integer commission rate(eg. 15). This method must divide the commission rate figure by 100.0 before multiplying by the sales figure and displaying the commission. The third overloaded method takes a single parameter representing sales. When this method is called, the commission rate is assumed to be 7.5%, and the results are displayed.

Supply appropriate values for the variables, and write a main() method that tests each overloaded method.

2. Create a class named Pay. Create three overloaded computeNetPay() methods. When computeNetPay() receives values for hours, pay rate, and withholding rate, it computes the gross pay and reduces it by the appropriate withholding amount to produce the net pay. (Gross pay is computed as hours worked multiplied by pay per hour.) When computeNetPay() receives two parameters, they represent the hours and pay rate, and the withholding rate is assumed to be 15%. When computeNetPay() receives one parameter, it represents the number of hours worked, the withholding rate is assumed to be 15%, and the hourly rate is assumed to be 5.85. Write a main() method that tests all three overloaded methods.

3.   Justify Java’s robustness, portability and simplicity with enough reasons.

4. Explain break and continue statements in java with examples for different cases of usage.

5. When do you get java.lang.NoclassDefFoundError ?

Explain the term **static** with respect of all the aspects that you have studied

What type of error occurs in each of the following cases & why?

i) Unmatching class name with the file name

ii) Static missing

iii) String a[] missing .