1. Difference between JDK,JRE and JVM
   * JDK : loads, verifies, execute code
   * JRE: takes the code and the libraries set to develop a Java program
   * JVM: is the combination of both to help Java applications
2. Explain encapsulation with an example program
   * Encapsulation has to have one private data method with a get/set method.
3. Explain Compile-time Polymorphism and Run-time polymorphism with an example
   * Compile time is overloading and Run-time is overriding
4. Write a program to print Fibonacci series using for loop (or)While (or) recursion
   * Numbers program
5. Explain Multiple Inheritance and write a program using interface
   * When a base class is giving properties to subclass.
6. Write a difference between Instance variable & local variable

- Local variable is declaring inside a method

- Instance is when you declare in class but outside the method

1. Write a program of taking two numbers from the user and print the sum using Scanner
   * Scanning program
2. Write a program to print pyramid using “\*” – Pyramid Program

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1. What are the   types of Control Statements briefly

If-else = use it to see if condition is true or false; Switch Case = use it for one statement to have multiple conditions; for loop = repeats condition multiple times; do-while = executes some part of program once; while= executes the iterate part of program; break = when loop is stopped/executed and then continues to next statement; continue= goes to next statement of an iterate program.

1. Write a Program which takes a number from user and prints month name using switch statement.
   * Month programs
2. Assignment

question#1)  Create a package called “ javaleads.lesson1”

question#2)  Create a class called "Vehicle" under the package created in question#1. The class should have private member variables type,capacity of appropriate data types. This class should have member method "printVehicalDetails" and another method "runVehiclel"

question#3)  Create a package called “javaleads.lesson2”

question#4)  Create an abstract class called “Vehicle” under the package “javaleads.lesson2”. The abstract class should have private member variables “type” and “capacity” of appropriate data types. This abstract class should have an abstract method”runVehical” and a proper method call “printVehicleDetails”

quesion#5)   Create a child class “Car” and extend the abstract class “Vehicle”.

Add new private member variable “engineCount”.

Override the method “printVehicleDetails” in the child class and make a call to parent method using keyword ”super”.

Implement the method “runVehicle”

question#6)  Create a child class “Boat” and extend the abstract class “Vehiclel”.

Add new private member variable “engineCount”.

Override the method “printVehicleDetails” in the child class and make a call to parent method using keyword ”super”.

Implement the method “runVehicle”

question#7) Create an interface called “product”. This interface should have following

* A  method named  addStock that returns total stock statistics . The method accepts two parameters productname and quantity