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| |  |  | | --- | --- | | **EXP-1** | **Implement a Java program demonstrating the concept of class and object creation, along with member variables and functions.** |   To implement a Java program that demonstrates the concept of class and object creation using a Weather class, along with member variables and member functions, without using constructors. ALGORITHM: **STEP-1**: Start the program.  **STEP-2**: Create a class named Car to represent car-related information.  **STEP-3**: Inside the Car class, define three member variables:   * brand to store the name of the car brand (e.g., Toyota, Honda). * color to store the color of the car. * speed to store the speed of the car (in km/h).   **STEP-4**: Inside the Car class, define a member function called setCarDetails() that accepts parameters for brand, color, and speed, and assigns them to the respective variables.  **STEP-5**: Define another member function called displayDetails() that prints the values of brand, color, and speed to the console.  **STEP-6**: In the main() method of the same class (or another class like SimpleCar), create the first object of the Car class using the new keyword.  **STEP-7**: Call the setCarDetails() method using the first object to assign values for the brand, color, and speed.  **STEP-8**: Call the displayDetails() method for the first object to show the car’s information.  **STEP-9**: Create the second object of the Car class.  **STEP-10**: Repeat the steps of setting and displaying details using the second object.  **STEP-11**: End the program. PROGRAM: public class Car {  String brand;  String color;  int speed;  void setCarDetails(String b, String c, int s) {  brand = b;  color = c;  speed = s;  }  void displayDetails() {  System.out.println("Car Brand: " + brand);  System.out.println("Car Color: " + color);  System.out.println("Car Speed: " + speed + " km/h");  System.out.println("----------------------------");  }  public static void main(String[] args) {  Car car1 = new Car();  car1.setCarDetails("Toyota", "Red", 120);  car1.displayDetails();  Car car2 = new Car();  car2.setCarDetails("Honda", "Blue", 150);  car2.displayDetails();  }  }  **CODE SCREENSHOT:** CONSOLE OUTPUT:   **GITHUB LINK:**  **RESULT:**  The Java program was successfully executed. It demonstrated the concept of class and object creation, use of member variables, and member functions without using constructors. The program displayed the weather report for two different cities using objects. |