**OPP LAB -07**

**26/02/2023**

**Name: Hasnain Ahamad**

**Id: 221-15-4935**

**Sec: V**

**UML**

|  |
| --- |
| **Vehicle** |
| **+ speed (int)** |
| **+ run ()** |

|  |
| --- |
| **Car** |
| **+ speed (int)** |
| **+ run ()** |

|  |
| --- |
| **Bike** |
| **+ speed (int)** |
| **+ run ()** |

****

**CODE**

public class Vehicle {  
 public int speed;  
 public void run(){  
 System.*out*.println("This Vehicle is running at: "+this.speed);  
 }  
}

public class Car {  
 public int speed;  
 public void run(){  
 System.*out*.println("This Car is running at: "+this.speed);  
 }  
}

public class Bike {  
 public int speed;  
 public void run(){  
 System.*out*.println("This Bike is running at: "+this.speed);  
 }  
}

import java.util.Scanner;  
  
public class Main {  
 public static void main(String[] args) {  
 Scanner in=new Scanner(System.*in*);  
  
 int a=in.nextInt();  
 int b=in.nextInt();  
 int c=in.nextInt();  
  
 Vehicle obj1=new Vehicle();  
 obj1.speed=a;  
 obj1.run();  
  
 Car obj2=new Car();  
 obj2.speed=b;  
 obj2.run();  
  
 Bike obj3=new Bike();  
 obj3.speed=c;  
 obj3.run();  
 }  
}

|  |  |
| --- | --- |
| **Input** | **Output** |
| **300** | **This Vehicle is running at: 300** |
| **200** | **This Car is running at: 200** |
| **150** | **This Bike is running at: 150** |