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import java.io.*;
import java.util.Scanner;

class vehicle
{
    String make,model,fueltype;
    int year;
}

class truck extends vehicle
{
    void fuc()
    {
        System.out.println("TRUCK : -");
        make="iron";
        model="tata";
        year=2005;
        fueltype="disel";
        distance=50;
        fuel_efficeincy

        System.out.println("MAKE:-"+make);
        System.out.println("MODEL:-"+model);
        System.out.println("YEAR:-"+year);
        System.out.println("FUEL_TYPE:-"+fueltype);
    }
}

class car extends vehicle
{
    void fuc1()
    {
        System.out.println("CAR : -");
        make="iron";
        model="rollsroyce";
    }
}

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year=2007;
fueltype="disel";
System.out.println("MAKE:-"+make);
System.out.println("MODEL:-"+model);
System.out.println("YEAR:-"+year);
System.out.println("FUEL_TYPE:-"+fueltype);
}
}

public class motorcycle extends vehicle
{
void fuc2()
{
System.out.println("MOTOR CYCLE : -");
make="iron";
model="duke";
year=2009;
fueltype="petrol";
System.out.println("MAKE:-"+make);
System.out.println("MODEL:-"+model);
System.out.println("YEAR:-"+year);
System.out.println("FUEL_TYPE:-"+fueltype);
}

public static void main(String args[])
{
truck a=new truck();
car b=new car();
motorcycle c=new motorcycle();
a.fuc();
b.fuc1();
c.fuc2();
}

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}  
}
```

```
C:\Users\rohit\Documents\java>java motorcycle  
TRUCK : -  
MAKE:-iron  
MODEL:-tata  
YEAR:-2005  
FUEL_TYPE:-disel  
CAR : -  
MAKE:-iron  
MODEL:-rollsroyce  
YEAR:-2007  
FUEL_TYPE:-disel  
MOTOR CYCLE : -  
MAKE:-iron  
MODEL:-duke  
YEAR:-2009  
FUEL_TYPE:-petrol
```