We want to store the information of different vehicles. Create a class named Vehicle with two data member named mileage and price. Create its two subclasses

\*Car with data members to store ownership cost, warranty (by years), seating capacity and fuel type (diesel or petrol).

\*Bike with data members to store the number of cylinders, number of gears, cooling type(air, liquid or oil), wheel type(alloys or spokes) and fuel tank size(in inches)

Make another two subclasses Audi and Ford of Car, each having a data member to store the model type. Next, make two subclasses Bajaj and TVS, each having a data member to store the make-type.

Now, store and print the information of an Audi and a Ford car (i.e. model type, ownership cost, warranty, seating capacity, fuel type, mileage and price.) Do the same for a Bajaj and a TVS bike.

CODE:

using namespace std;

#include<iostream>

class vehicle

{

public:

float mileage, price;

void getdata();

void putdata();

};

class bike:public vehicle

{

public:

int noofcylinder, noofgear,fueltank;

string coolingtype,wheeltype;

};

class car:public vehicle

{

public:

float seatingcap,warrant,cost;

string ownership,fueltype;

};

class audi:public car

{

public:

int modeltype;

void getdata()

{

cout<<"\nEnter the model type for car";

cin>>modeltype;

cout<<"\n The seatincap ,warrant and cost \t";

cin>>seatingcap>>warrant>>cost;

cout<<"Enter the ownership name ";

cin>>ownership;

cout<<"\n Enter the fueltype";

cin>>fueltype;

}

void putdata()

{

cout<<"\n The model type for audi car"<<modeltype;

cout<<"\n The seatincap ,warrant and cost \t"<<seatingcap<<warrant<<cost;

cout<<"\n The ownership of car is"<<ownership;

cout<<"\n The fueltype of car"<<fueltype;

}

};

class ford:public car

{

public:

int modeltype;

void getdata()

{

cout<<"\nEnter the model type for car";

cin>>modeltype;

cout<<"\n The seatincap ,warrant and cost \t";

cin>>seatingcap>>warrant>>cost;

cout<<"Enter the ownership name ";

cin>>ownership;

cout<<"\n Enter the fueltype";

cin>>fueltype;

}

void putdata()

{

cout<<"\n The model type for audi car"<<modeltype;

cout<<"\n The seatincap ,warrant and cost \t"<<seatingcap<<"\t"<<warrant<<"\t"<<cost;

cout<<"\n The ownership of car is"<<ownership;

cout<<"\n The fueltype of car"<<fueltype;

}

};

class bajaj: public bike

{

public:

int modeltype;

void getdata()

{

cout<<"\nEnter the model type for bajaj bike";

cin>>modeltype;

cout<<"\n Enter the noof cylider no of gear and fueltank size \t";

cin>>noofcylinder>>noofgear>>fueltank;

cout<<"Enter the cooling type(Air or Liquid) ";

cin>>coolingtype;

cout<<"\n Enter the wheeltype (Alloy or spoke)";

cin>>wheeltype;

}

void putdata()

{

cout<<"\nThe model type for bajaj bike"<<modeltype;

cout<<"\n Enter the noof cylider no of gear and fueltank size \t"<<noofcylinder<<"\t"<<noofgear<<"\t"<<fueltank;

cout<<" \n The cooling type is (Air or Liquid)"<<coolingtype;

cout<<"\n The wheeltype (Alloy or spoke)"<<wheeltype;

}

};

/\*class tvs: public bike

{

}; \*/

int main()

{

audi p;

p.getdata();

p.putdata();

ford f;

f.getdata();

f.putdata();

bajaj b;

b.getdata();

b.putdata();

}