**Practical no.-**12

**Program no.-** 02

**Title:** Program to implement multilevel inheritance

**Roll No.:** 76 **Batch-** C **:**

**Code:**

#include<iostream>

#include<string.h>

using namespace std;

class car

{

private:

char car\_type[25];

public:

void getcar()

{

fflush (stdin);

cout<<"Enter Car type:";

gets(car\_type);

}

void putcar()

{

cout<<"\nCar type:"<<car\_type;

}

};

class brand:public car

{

private:

char brand\_name[25];

int speed;

public:

void getbrand()

{

fflush (stdin);

cout<<"Enter Car Brand Name:";

gets(brand\_name);

cout<<"Enter Car MAX Speed:"; cin>>speed;

}

void putbrand()

{

cout<<"\nCar Brand:-"<<brand\_name;

cout<<"\nCar MAX Speed:"<<speed;

}

};

class model:public brand

{

private:

char model\_name[25];

long int price;

public:

void getmodel()

{

fflush (stdin);

cout<<"Enter Car Model Name:";

gets(model\_name);

cout<<"Enter Car Price:"; cin>>price;

}

void putmodel()

{

cout<<"\nCar Model:-"<<model\_name;

cout<<"\nCar Price:-"<<price<<" Rs.";

}

};

int main()

{

model C;

cout<<"Enter Information of Car:\n";

C.getcar();

C.getbrand();

C.getmodel();

cout<<"\nInformation of Car:\n";

C.putcar();

C.putbrand();

C.putmodel();

return 0;

}

**Output 1-**

Enter Information of Car:

Enter Car type:Sport

Enter Car Brand Name:Lamborghini

Enter Car MAX Speed:218

Enter Car Model Name:Huracan EVO

Enter Car Price:90000000

Information of Car:

Car type:Sport

Car Brand:-Lamborghini

Car MAX Speed:218

Car Model:-Huracan EVO

Car Price:-9,00,00,000 Rs.

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**Output 2-**

Enter Information of Car:

Enter Car type:SUV

Enter Car Brand Name:TATA Nexon

Enter Car MAX Speed:120

Enter Car Model Name:NEXON XE

Enter Car Price:140000000

Information of Car:

Car type:SUV

Car Brand:-TATA Nexon

Car MAX Speed:120

Car Model:-NEXON XE

Car Price:-140000000 Rs.

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