PROGRAM NO.-8

**AIM** – Write a program that uses inheritance to create two sub classes truck and automobile of a class

vehicle.

SOURCE CODE

#include<iostream>

using namespace std;

class vehicle

{

protected:

int wheels;

int price;

public:

void i()

{ cout<<"ENTER NO. OF WHEELS :";

cin>>wheels;

cout<<"ENTER PRICE :";

cin>>price;

}

void s()

{ cout<<"\n NO.OF WHEELS :"<<wheels;

cout<<"\n PRICE :"<<price;

}

};

class automobile: public vehicle

{

int seat;

public :

void input()

{ cout<<"\n\t\tAUTOMOBILE\n\n";

i();

cout<<"ENTER NO. OF SEAT :";

cin>>seat;

}

void show()

{

cout<<"\n\t\tAUTOMOBILE\n";

s();

cout<<"\n NO. OF SEAT :"<<seat;

}

};

class truck: public vehicle

{

int payload;

public :

void input()

{

cout<<"\n\t\tTRUCK\n\n";

i();

cout<<"ENTER MAX PAYLOAD :";

cin>>payload;

}

void show()

{

cout<<"\n\t\tTRUCK\n";

s();

cout<<"\n MAX. PAYLOAD :"<<payload;

}

};

int main()

{

automobile a;

truck t;

a.input();

t.input();

a.show();

t.show();

return 0;

}

OUTPUT

