

**JOMO KENYATTA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY**

**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

**UNIT NAME: COMPUTER PROGRAMMING**

**UNIT CODE: SMA 2276**

**SEMESTER: 3.2**

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**TITLE: Class Vehicle**

**GROUP MEMBERS**

|  |  |
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**Vehicle.cpp**

#include <iostream>

#include <string>

using namespace std;

class Vehicle{

private:

string make;

string model;

string engine\_number;

float sale\_price;

public:

void set\_vehicle(string m, string mod, string en, float sp){

make = m;

model = mod;

engine\_number = en;

sale\_price = sp;

}

float get\_profit(){

float profit = sale\_price \* 0.15;

return profit;

}

};

int main(){

Vehicle v1;

string make, model, engine\_number;

float sale\_price;

cout<<"Enter the make of the vehicle:";

cin>>make;

cout<<"Enter the model of the vehicle:";

cin>>model;

cout<<"Enter the engine\_number of the vehicle:";

cin>>engine\_number;

cout<<"Enter the sale price of the vehicle:";

cin>>sale\_price;

v1.set\_vehicle(make, model, engine\_number,sale\_price);

cout<<"Profit earned is:"<<v1.get\_profit()<<endl;

return 0;

}

**Outputs**

