22F-3298 Practise Tasks\_\_Oop Course

/\*Task-01\*/

#include<iostream>

using namespace std;

class Person

{

public:

int age;

string gender;

string Name;

Person()

{

Name = "Qasim";

age = 19;

gender = "Male";

}

};

class EmployedPerson : public Person

{

protected:

int NICnum;

public:

void employee()

{

cout << "Hi, I am Employ from Employed Class";

NICnum = 0000000;

}

};

class UnEmployeed :public Person

{

public:

UnEmployeed()

{

cout<<"Hi, I am UnEmploy from UnEmployed Class";

}

};

class BusinessMan : public EmployedPerson

{

public:

void display()

{

cout << endl << Name << endl << NICnum << endl;

}

};

int main()

{

BusinessMan b;

b.employee();

b.display();

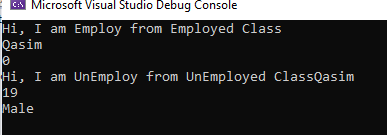
UnEmployeed u;

cout << u.Name << endl;

cout << u.age << endl;

cout << u.gender << endl;

}



/\*Task2\*/

#include<iostream>

using namespace std;

class vehicle

{

protected:

int speed;

int distance;

public:

void setspeed();

void setDistance();

void computeDuration();

int getspeed()

{

return speed;

}

int getDistance()

{

return distance;

}

};

void vehicle ::setspeed()

{

cout << "Enter speed of vehicle :\t ";

cin >> speed;

}

void vehicle :: setDistance()

{

cout << "Enter distance travelled by vehicle :\t ";

cin >> distance;

}

void vehicle :: computeDuration()

{

cout << "Duration taken by vehicle :\t " << (float)distance / speed << endl;

}

class wheelvehicle :public vehicle

{

protected:

int wheel;

public:

void setwheel()

{

cout << "Enter number of wheels in vehicle :\t ";

cin >> wheel;

}

int getwheel()

{

return wheel;

}

};

class wingvehicle : public vehicle

{

protected:

int wings;

public:

void setwings()

{

cout << "Enter number of wings of vehicle :\t ";

cin >> wings;

}

int getwings()

{

return wings;

}

};

class Truck :public wheelvehicle

{

private:

int carryingload;

public:

void setload()

{

cout << "Enter load carried by truck :\t ";

cin >> carryingload;

}

int getload()

{

return carryingload;

}

};

int main()

{

cout << "\n--------------------Inputs-----------------------\n";

Truck t;

t.setspeed();

t.setDistance();

t.setwheel();

t.setload();

cout << "\n----------------------OutPuts-------------------------------\n";

cout << "\nDetails are:\n";

cout << "Speed: " << t.getspeed() << endl;

cout << "Distance: " << t.getDistance() << endl;

cout << "Wheels: " << t.getwheel() << endl;

cout << "Carried Load: " << t.getload() << endl;

t.computeDuration();

return 0;

}

