OOP Lab – 03

(In Lab: online)

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Q3.

//23K2001 Muzammil

#include<iostream>

using namespace std;

class Employee{

    private:

    string fname, lname;

    int salary;

    public:

    void setfname(string name)

    {

        fname = name;

    }

    void setlname(string name)

    {

        lname = name;

    }

    void setsalary(int monthly)

    {

        if(monthly<0)

        salary = 0;

        else

        salary = monthly;

    }

    string getfname()

    {

        return fname;

    }

    string getlname()

    {

        return lname;

    }

    int getsalary()

    {

        return salary;

    }

};

int main()

{

    Employee worker;

    Employee assistant;

    cout<<"..Initiliazing data for Employee: Worker"<<endl;

    worker.setfname("Arshad");

    worker.setlname("Nadeem");

    worker.setsalary(45000);

    cout<<"..Initiliazing data for Employee: Assistant"<<endl;

    assistant.setfname("Mubeen");

    assistant.setlname("Kazmi");

    assistant.setsalary(25000);

    cout<<"Worker '"<<worker.getfname()<<" "<<worker.getlname()<<"' Yearly salary: "<<worker.getsalary()\*12<<endl;

    cout<<"Assistant '"<<assistant.getfname()<<" "<<assistant.getlname()<<"' Yearly salary: "<<assistant.getsalary()\*12<<endl;

    cout<<"..assigning 10% raise to both employee"<<endl;

    worker.setsalary(worker.getsalary()\*1.10);

    assistant.setsalary(assistant.getsalary()\*1.10);

    cout<<"..salaries raised!"<<endl;

    cout<<"New salaries: "<<endl;

    cout<<"Worker '"<<worker.getfname()<<" "<<worker.getlname()<<"' Yearly salary: "<<worker.getsalary()\*12<<endl;

    cout<<"Assistant '"<<assistant.getfname()<<" "<<assistant.getlname()<<"' Yearly salary: "<<assistant.getsalary()\*12<<endl;

    return 0;

}

Q4.

//23K2001 Muzammil

#include<iostream>

using namespace std;

class car{

    private:

    string model;

    int year, price;

    public:

    void setModel(string name)

    {

        model = name;

    }

    void setYear(int yr)

    {

        year = yr;

    }

    void setPrice(int p)

    {

        price = p;

    }

    string getModel()

    {

        return model;

    }

    int getYear()

    {

        return year;

    }

    int getPrice()

    {

        return price;

    }

};

int main()

{

    car dreamcar;

    cout<<"..Setting values.."<<endl;

    dreamcar.setModel("Lamborghini Aventador LP 780-4 Ultimae");

    dreamcar.setYear(2022);

    dreamcar.setPrice(500000);

    cout<<"Values:\n"<<endl;

    cout<<"Model: "<<dreamcar.getModel()<<endl;

    cout<<"Year: "<<dreamcar.getYear()<<endl;

    cout<<"Price: $"<<dreamcar.getPrice()<<endl;

    return 0;

}

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