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| OOP Lab-12 & 13 Task(Home Work) |
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Question 1:

#include<iostream>

using namespace std;

class Account{

private:

int Account\_number;

double balance=0.0;

public:

Account(int *Account\_number*,double *balance* )

{

this->Account\_number= *Account\_number*;

this->balance=*balance*;

}

int getaccountnumber()

{

cout<<"Enter a account number"<<endl;

cin>>Account\_number;

return Account\_number;

}int getbalance()

{

cout<<"Enter a balance "<<endl;

cin>>balance;

return balance;

}

void setbalance(){

balance=balance;

}

void credit(double *amount*)

{

if (this->balance>=*amount*)

balance+=*amount*;

else if(this->balance<=*amount*)

balance=balance-*amount*;

}

void debit(double *amount*)

{

if (*amount*>=balance)

cout<<"you dont have enough balance";

}void print()

{

cout<<"A/c no: "<<Account\_number<<" Balance :"<<balance;

}

};

int main()

{

Account A1(0,0);

A1.getaccountnumber();

A1.getbalance();

A1.setbalance();

A1.credit(656456);

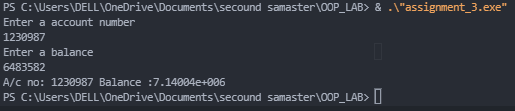
A1.debit(656456);

A1.print();

return 0;

}

Output:



Question 2:

#include<iostream>

using namespace std;

class product{

public:

product(){

cout<<"We have different types of product you can check it below "<<endl;

}

};

class Book:public product{

private:

string book\_name,Authors;

public:

void getdata()

{

cout<<"Enter a book and authors name"<<endl;

cin>>book\_name>>Authors;

}

void setdata()

{

cout<<"book\_name : "<<book\_name<<" Authors name : "<<Authors;

}

};

class Electronics: public product{private:

string things;

public:

    void display()

    {

    cout<<"We have differents types of mp3 players and Tv,you can check it"<<endl;

    }

};

class TV:public Electronics{

private:

int size1;

int prize;

int discount;

public:

void getdata()

{

cout<<"Enter a size ,price and discount of Tv"<<endl;

cin>>size1>>prize;

}

void setdata()

{

cout<<"Size of television : "<<size1;

cout<<"prize of television : "<<prize;cout<<"discount for you: "<<discount;

}

};

class MPplayer: public Electronics{

private:

string color;

long giga\_byte;

public:

void getdata()

{

cout<<"Enter color and Giga bytes"<<endl;

cin>>color>>giga\_byte;

}

void setdata()

{

cout<<"color : "<<color<<" Giga bytes: "<<giga\_byte;

}

};

int main()

{

Electronics a1;

a1.display();

MPplayer p1;p1.getdata();

p1.setdata();

TV t;

t.getdata();

t.setdata();

}

Output:

