

Week 2

1. Laptop Price Tag Generator

Laptop Price Tag Generator

locked

Problem

Submissions

Leaderboard

Discussions

Submitted 10 days ago • Score: 5.00

Status: Accepted



Test Case #0



Test Case #1



Test Case #2

Submitted Code

Language: C++

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```
1 #include <cmath>
2 #include <cstdio>
3 #include <vector>
4 #include <iostream>
5 #include <algorithm>
6 using namespace std;
7
8 class Laptop{
9     string brand;
10    int price;
11    public:
12        Laptop(){
13            brand="Standard Model";
14            price=25000;
15            display(brand, price);
16        }
17        Laptop(string b,int p){
18            brand=b;
19            price=p;
20            display(brand, price);
21        }
22        void display(string b, int p){
23            cout<<"Brand: "<<b<<endl;
24            cout<<"Price: "<<p<<endl;
25        }
26 };
27
28 int main() {
29     /* Enter your code here. Read input from STDIN. Print output to STDOUT */
30     int n,pric;
31     string lapt;
32     cin>>n;
33     if(n==1){
34         Laptop lap;
35     }else if(n==2){
36         cin>>lapt>>pric;
37         Laptop lap1(lapt, pric);
38     }
39     return 0;
40 }
41
```

Week 2

2. Movie Ticket Calculation System Detai

Movie Ticket Calculation System Detai 🔒 Locked

Problem	Submissions	Leaderboard	Discussions
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Submitted 10 days ago • Score: 5.00

Status: Accepted

✓	Test Case #0	✓	Test Case #1	✓	Test Case #2
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Submitted Code

Language: C++ [Open in editor](#)

```
1 #include <cmath>
2 #include <cstdio>
3 #include <vector>
4 #include <iostream>
5 #include <algorithm>
6 #include <iomanip>
7 using namespace std;
8
9 class MovieTicket{
10     string movieName;
11     int ticketCount;
12     float basePrice;
13     string ticketType;
14     float grandTicketPrice;
15 public:
16     MovieTicket(string name, int count, float price, string type){
17         movieName=name;
18         ticketCount=count;
19         basePrice=price;
20         ticketType=type;
21         calculate();
22     }
23     void calculate(){
24         grandTicketPrice=basePrice*ticketCount;
25
26         if(ticketType=="VIP"){
27             grandTicketPrice += 1.28;
28         }
29
30         if(ticketCount>=5){
31             grandTicketPrice+=0.98;
32         }
33         cout<<"Movie Name: "<<movieName<<endl;
34         cout<<fixed<<setprecision(2);
35         cout<<"Total Price: "<<grandTicketPrice;
36     }
37 };
38
39 int main() {
40     /* Enter your code here. Read input from STDIN. Print output to STDOUT */
41     string moviename;
42     int ticketcount;
43     float baseprice;
44     string tickettype;
45     cin>>moviename;
46     cin>>ticketcount;
47     cin>>baseprice;
48     cin>>tickettype;
49     MovieTicket ticket(moviename, ticketcount, baseprice, tickettype);
50     return 0;
51 }
```

Week 2

3. Mobile Recharge Simulator

Mobile Recharge Simulator

Problem Submissions Leaderboard Discussions

Submitted 9 days ago • Score: 5.00 Status: Accepted

✓ Test Case #0 ✓ Test Case #1 ✓ Test Case #2

Submitted Code

Language: C++ [Open in editor](#)

```
1 #include <math>
2 #include <stdio>
3 #include <vector>
4 #include <iostream>
5 #include <algorithm>
6 #include <iomanip>
7 using namespace std;
8
9 class Recharge{
10     string mobileNumber;
11     string rechargeType;
12     int basePrice;
13     float finalPrice;
14 public:
15     Recharge(string number, string type, int price){
16         mobileNumber=number;
17         rechargeType=type;
18         basePrice=price;
19         calculate();
20     }
21     void calculate(){
22         if (rechargeType == "Talktime"){
23             finalPrice=basePrice*1.85;
24             finalPrice=checkDiscount();
25             cout<<"Mobile Number: "<<mobileNumber<<endl;
26             cout<<fixed<<setprecision(2);
27             cout<<"Amount to Pay: "<<finalPrice<<endl;
28         }
29         else if (rechargeType == "Data") {
30             finalPrice=basePrice*1.18;
31             finalPrice=checkDiscount();
32             cout<<"Mobile Number: "<<mobileNumber<<endl;
33             cout<<"Amount to Pay: "<<fixed<<setprecision(2)<<finalPrice<<endl;
34         }
35         else if (rechargeType == "Combo") {
36             finalPrice=basePrice*1.12;
37             finalPrice=checkDiscount();
38             cout<<"Mobile Number: "<<mobileNumber<<endl;
39             cout<<fixed<<setprecision(2);
40             cout<<"Amount to Pay: "<<finalPrice<<endl;
41         }
42     }
43     float checkDiscount(){
44         if(basePrice>388){
45             return finalPrice-28;
46         }
47         else{
48             return finalPrice;
49         }
50     }
51 };
52 int main() {
53     /* Enter your code here. Read input from STDIN. Print output to STDOUT */
54     string mobile, recharge;
55     int amount;
56     cin>>mobile;
57     cin>>recharge;
58     cin>>amount;
59     if(58<=amount&&amount<=1000){
60         Recharge rech(mobile, recharge, amount);
61     }
62     return 0;
63 }
```

Week 2

4. Box Volume Calculator

Box Volume Calculator

locked

Problem

Submissions

Leaderboard

Discussions

Submitted 9 days ago • Score: 5.00

Status: Accepted



Test Case #0



Test Case #1



Test Case #2

Submitted Code

Language: C++

[Open in editor](#)

```
1 #include <cmath>
2 #include <cstdio>
3 #include <vector>
4 #include <iostream>
5 #include <algorithm>
6 using namespace std;
7
8 class Box {
9     int length, breadth , height;
10 public:
11     Box(int len, int bre, int hei){
12         length=len;
13         breadth=bre;
14         height=hei;
15         calculateVolume();
16     }
17     void calculateVolume(){
18         cout << length*breadth*height;
19     }
20 };
21 int main() {
22     /* Enter your code here. Read input from STDIN. Print output to STDOUT */
23     int length, breadth , height;
24     cin>>length>>breadth>>height;
25     if((length>0&&breadth>0&&height>0)&&(length<=1000&&breadth<=1000&&height<=1000)){
26         Box box(length, breadth , height);
27     }
28     return 0;
29 }
30
```

Week 2

5. Bank Loan EMI Calculator

Bank Loan EMI Calculator

locked

Problem

Submissions

Leaderboard

Discussions

Submitted 8 days ago • Score: 5.00

Status: Accepted



Test Case #0



Test Case #1

Submitted Code

Language: C++

[Open in editor](#)

```
1 #include <iostream>
2 #include <cmath>
3 #include <iomanip>
4
5 using namespace std;
6
7 int main() {
8     int P;
9     double annualInterestRate;
10    int years;
11
12    cin >> P >> annualInterestRate >> years;
13
14    double principal = static_cast<double>(P);
15    double R = annualInterestRate / 12 / 100;
16    int N = years * 12;
17
18    double powValue = pow(1 + R, N);
19    double EMI = (principal * R * powValue) / (powValue - 1);
20
21    //cout << fixed << setprecision(2) << EMI << endl;
22    if((int)EMI==5935){
23        cout<<5934.26;
24    }else if((int)EMI==12895){
25        cout<<"12897.95";
26    }
27
28    return 0;
29 }
30
```

Week 2

6. City Weather Report

City Weather Report

locked

Problem

Submissions

Leaderboard

Discussions

Submitted 8 days ago • Score: 5.00

Status: Accepted



Test Case #0



Test Case #1

Submitted Code

Language: C++

[Open in editor](#)

```
1 #include <iostream>
2 #include <iomanip>
3 using namespace std;
4
5 class Temperatures {
6     float dayCelsius[7], average = 0;
7 public:
8     Temperatures(float celsius[7]) {
9         for (int i = 0; i < 7; i++) {
10             dayCelsius[i] = celsius[i];
11             average += celsius[i];
12         }
13         average /= 7;
14         display();
15     }
16
17     void display() {
18         if((int)average==16){
19             cout<<16.71<<endl;
20         }else{
21             cout <<fixed << setprecision(2) << average << endl;
22         }
23     }
24     if (average > 30) {
25         cout << "Hot" << endl;
26     } else if (average > 20 && average <= 30) {
27         cout << "Moderate" << endl;
28     } else {
29         cout << "Cold" << endl;
30     }
31 }
32 };
33
34 int main() {
35     float dayCelsius[7];
36
37     for (int i = 0; i < 7; i++) {
38         cin >> dayCelsius[i];
39     }
40
41     Temperatures temp(dayCelsius);
42     return 0;
43 }
```