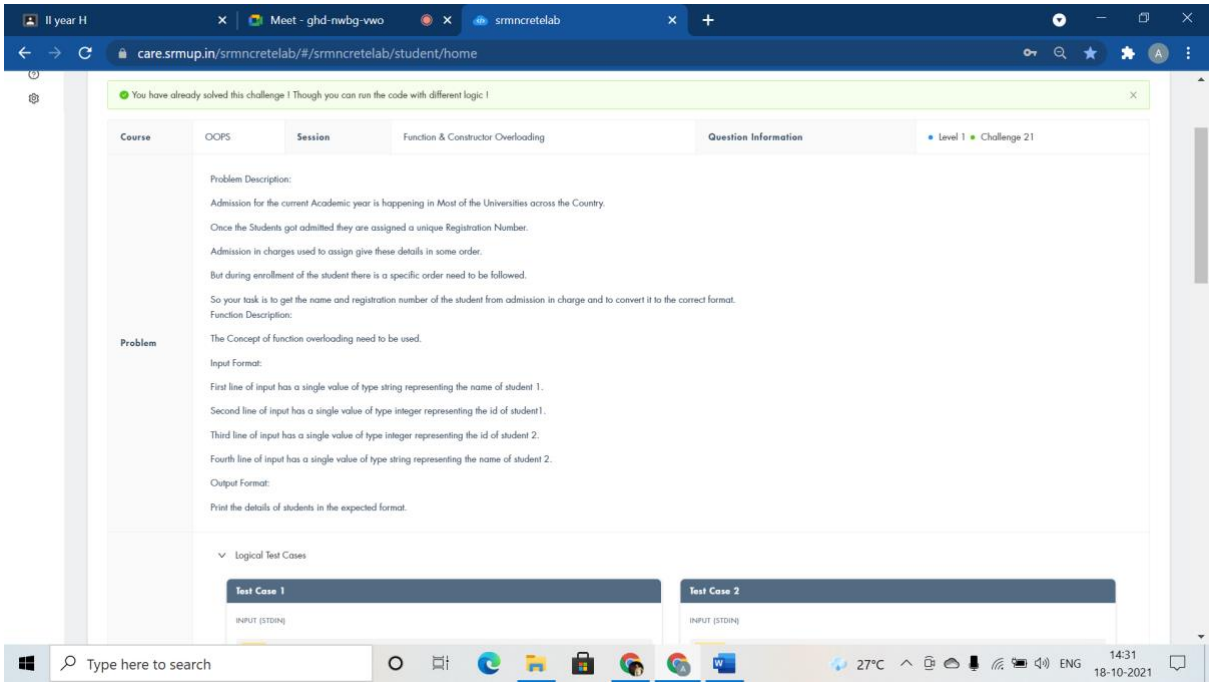
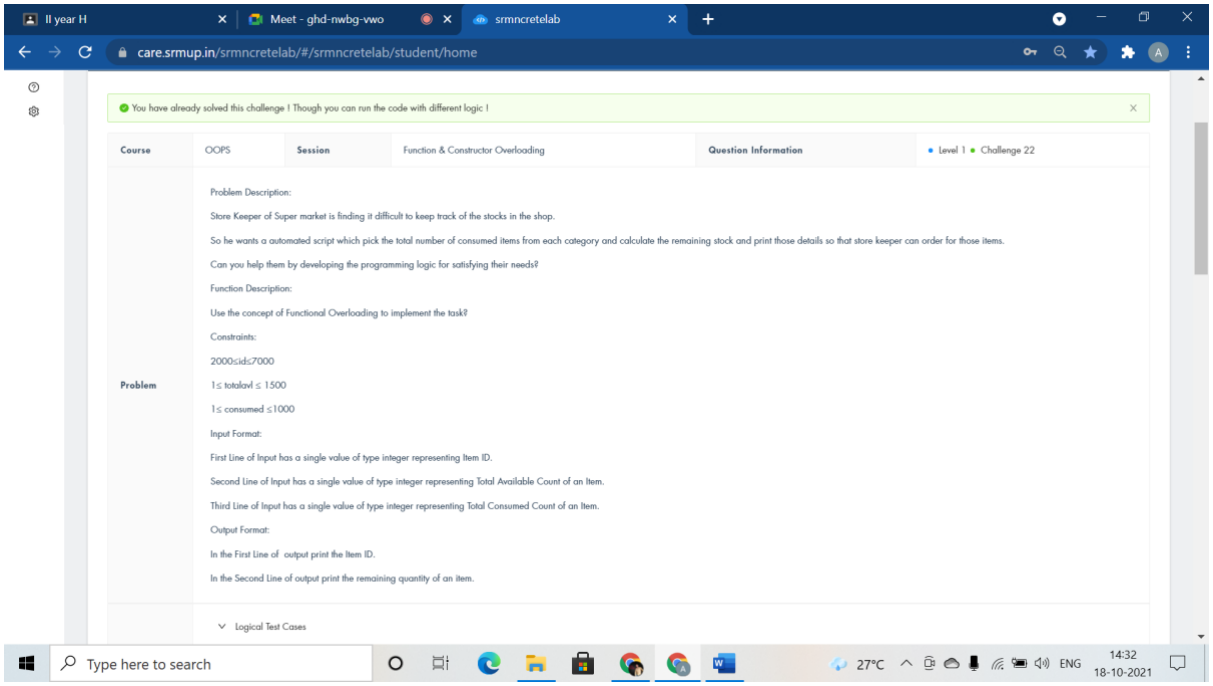


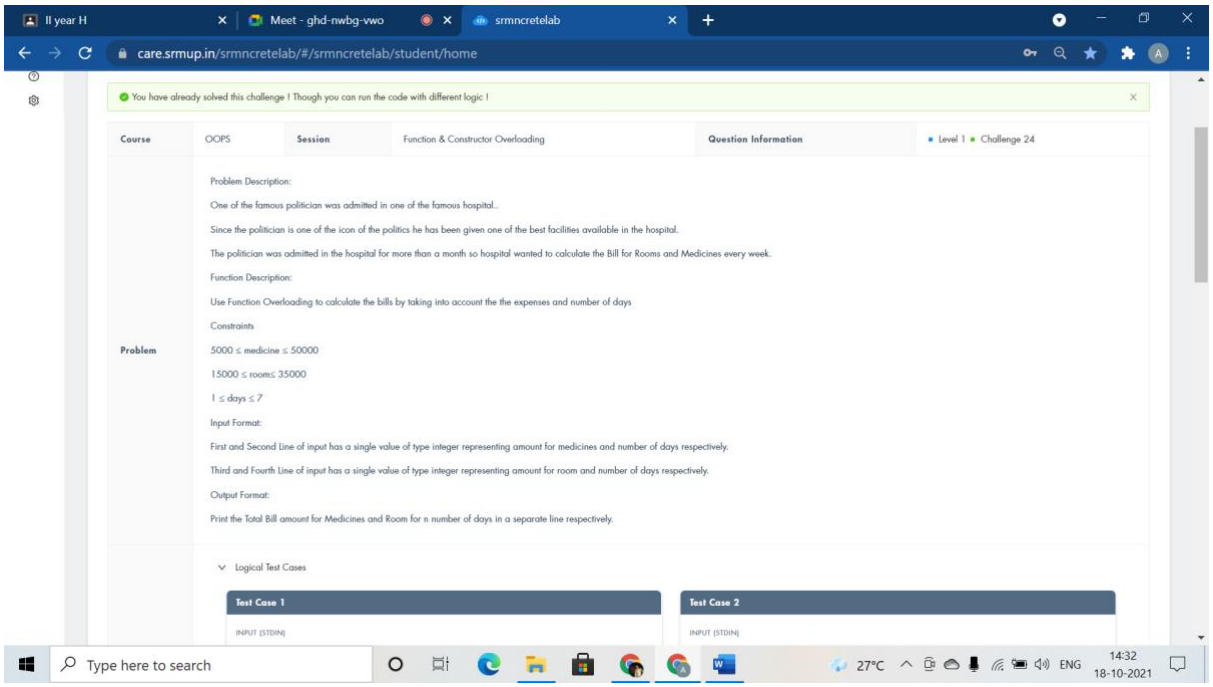

```
#include <iostream>
using namespace std;
class Student
{
   public:
   void Identity(string name,int id){
      cout<<name<<" "<<id<<endl;
   }
   void Identity(int id,string name){
      cout<<name<<" "<<id<<endl;
   }
};
int main()
{
   Student Details;
   string name;
   int id;
   cin>>name>>id;
```

```
    Details.Identity(name,id);
    cin>>id>>name;
    Details.Identity(id,name);
            return 0;
}
```



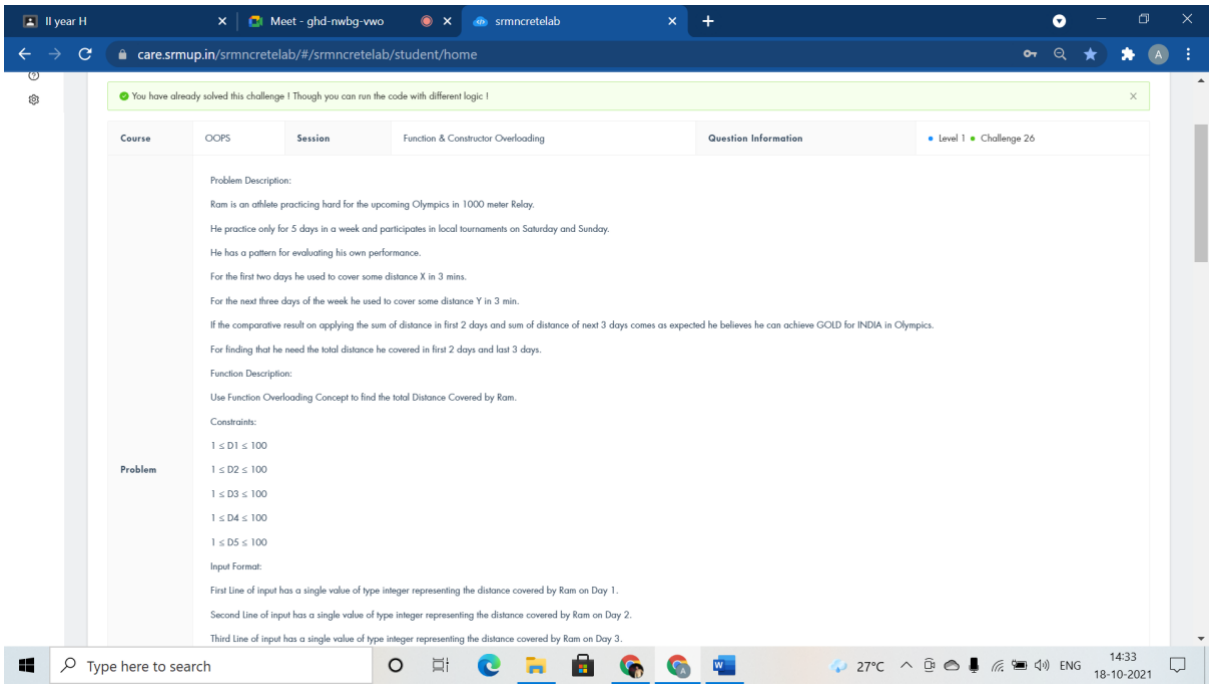

```
#include <iostream>
using namespace std;
class Store{
   public:
   void itemcount(int id){
      cout<<id<<endl;
   }
   void itemcount(int totalavl,int consumed){
      cout<<totalavl - consumed<<endl;
   }
};
```

```
int main()
{
   Store purchase;
   int id,totalavl,consumed;
   cin>>id>>totalavl>>consumed;
   purchase.itemcount(id);
   purchase.itemcount(totalavl,consumed);
          return 0;
}
```

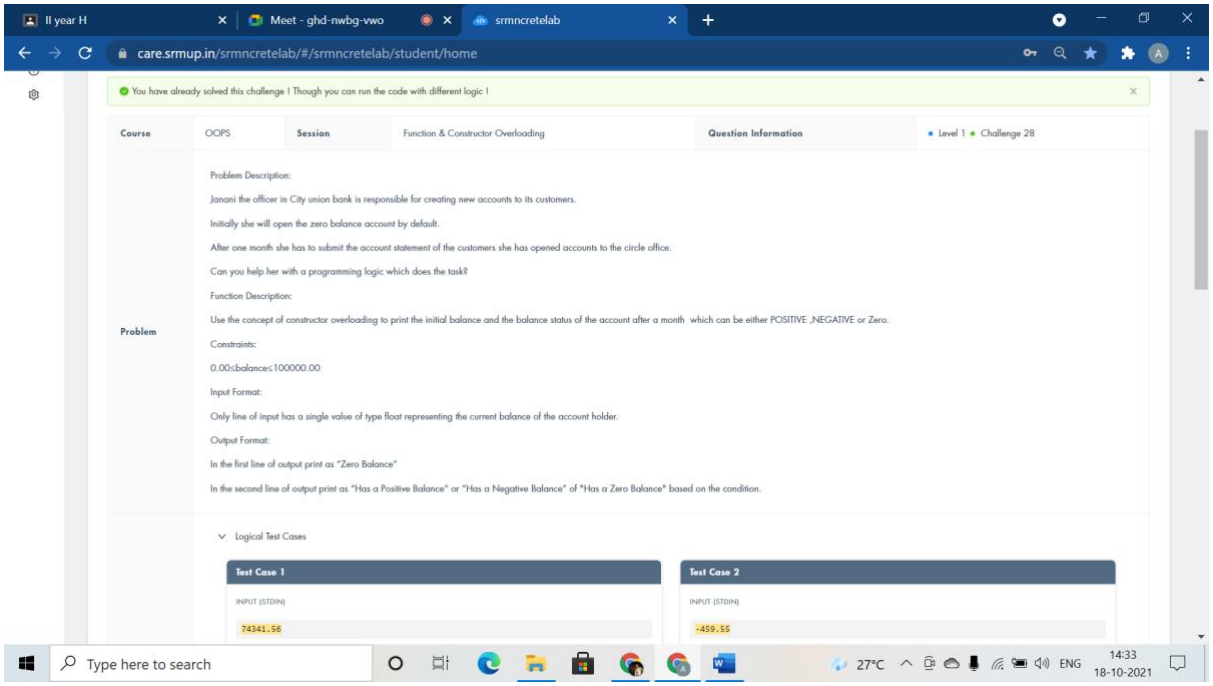



```
#include <iostream>
using namespace std;
class Hospital{
   public:
   void bill(long int mdeicinebill,int days){
      cout<<mdeicinebill*days<<endl;
```

```
    }
    void bill(int roomrent,int days){
        cout<<roomrent*days;
    }
};
int main()
{
    Hospital ob;
    long int mdeicinebill,days;
    int roomrent;
    cin>>mdeicinebill>>days;
    ob.bill(mdeicinebill,days);
    cin>>roomrent>>days;
    ob.bill(roomrent,days);
            return 0;
}
```

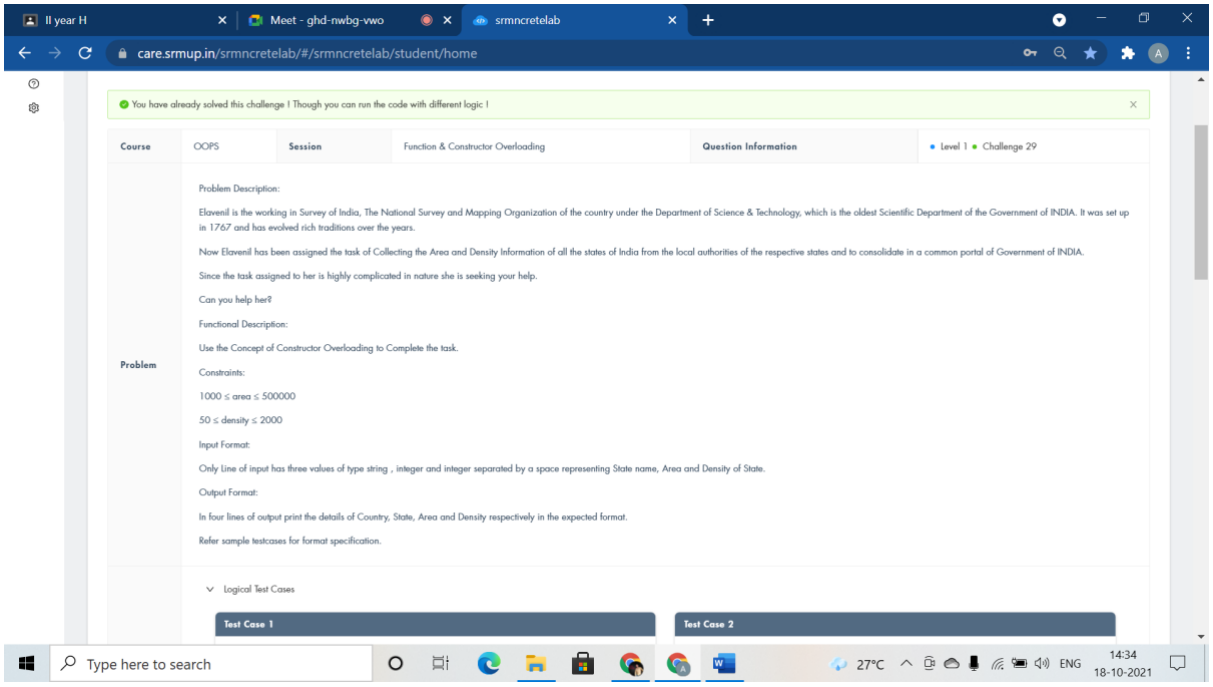


```
#include <iostream>
using namespace std;
class Olympic{
   public:
   void distance(int D1,int D2){
      cout<<D1+D2<<" meters"<<endl;
   }
   void distance(int D3, int D4, int D5){
      cout<<D3+D4+D5<<" meters"<<endl;
   }
};
int main()
{
   Olympic Medal;
   int D1,D2,D3,D4,D5;
   cin>>D1>>D2>>D3>>D4>>D5;
   Medal.distance(D1,D2);
   Medal.distance(D3,D4,D5);
         return 0;
}
```



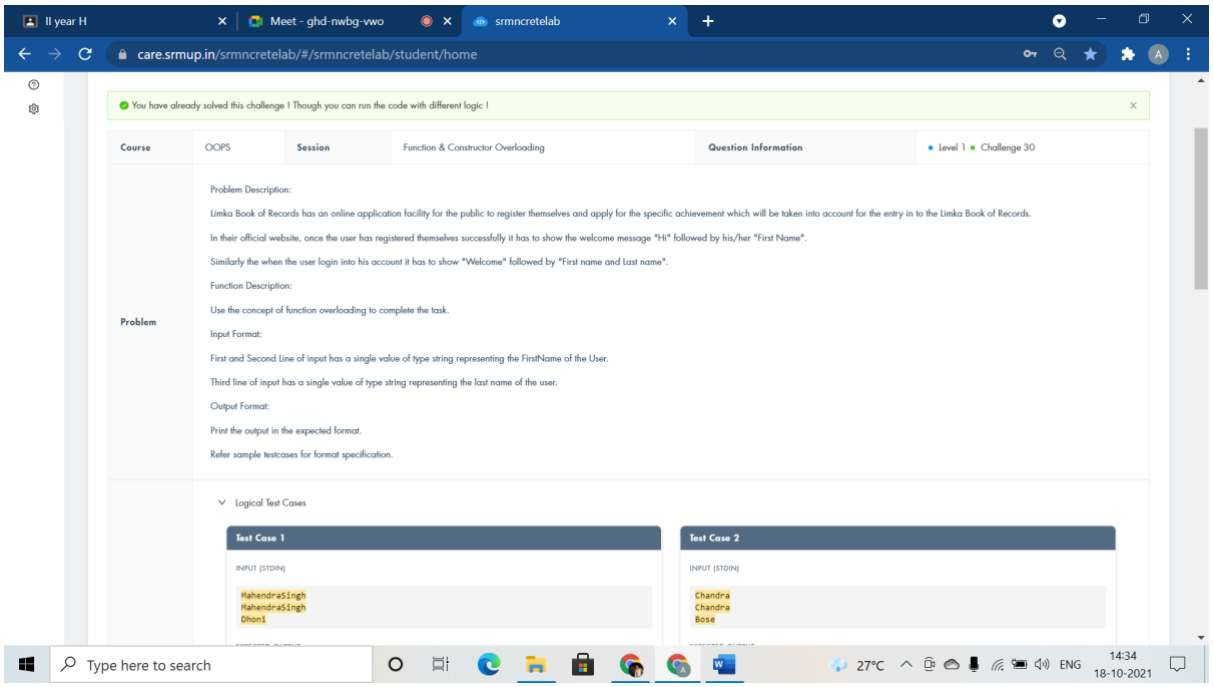

```
#include <iostream>
using namespace std;
class AccBalance{
   public:
   AccBalance(){cout<<"Zero Balance"<<endl;}
   AccBalance(int balance){
      if(balance<0)
      cout<<"Has a Negative Balance";
      else if(balance==0)
      cout<<"Has a Zero Balance";
      else
      cout<<"Has a Positive Balance";
   }
};
int main()
{
   AccBalance defltBal;
   int balance;
```

```
    cin>>balance;
    AccBalance currBal(balance);
            return 0;
}
```




```
#include <iostream>
using namespace std;
class Country{
   public:
   Country(){cout<<"Country:INDIA"<<endl;}
   Country(char statename[100],int area,int density)
   {
      cout<<"State:"<<statename<<endl<<"Area:"<<area<<endl<<"Density:"<<density<<endl;
   }
};
int main()
{
```

```
    Country country;
    char statename[100];
    int area,density;
    cin>>statename>>area>>density;
    Country statesofindia(statename,area,density);
        return 0;
}
```




```
#include <iostream>
using namespace std;
class Welcomemsg{
    public:
    void msg(string fname){
        cout<<"Hi "<<fname<<endl;
    }
    void msg(string fname,string lname){
        cout<<"Welcome "<<fname<<" "<<lname;
```

```
    }
};
int main()
{
    Welcomemsg ob;
    string fname,lname;
    cin>>fname;
    ob.msg(fname);
    cin>>fname>>lname;
    ob.msg(fname,lname);
            return 0;
}
```