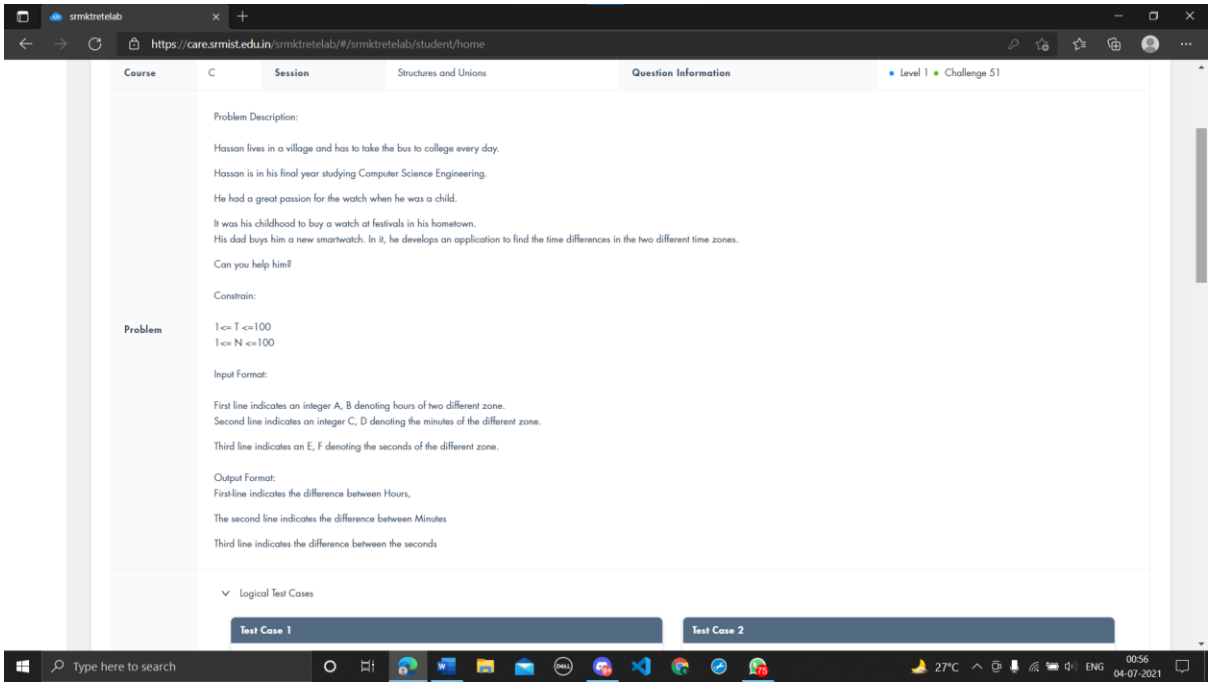
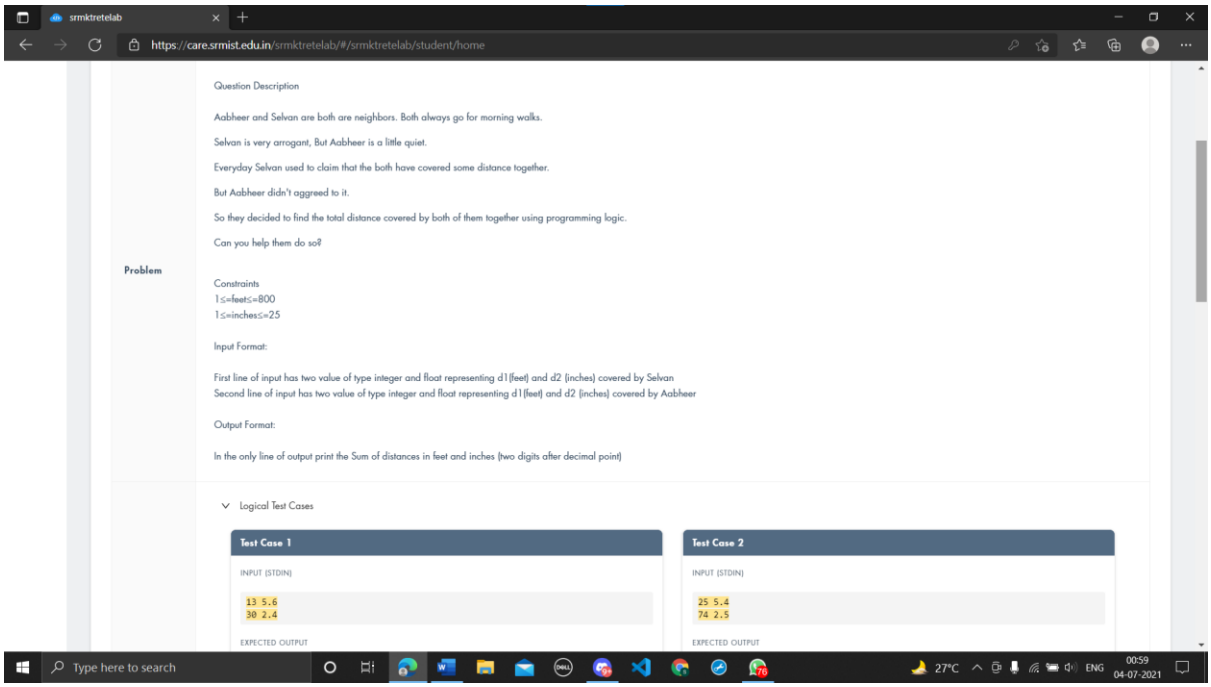
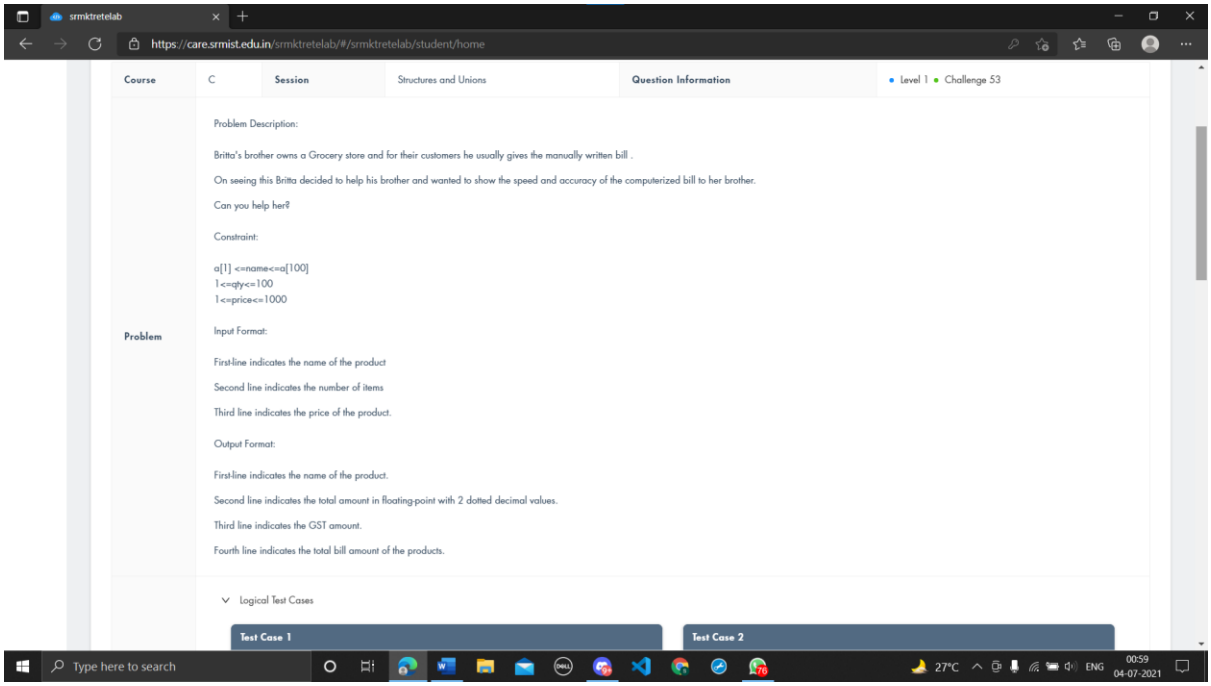


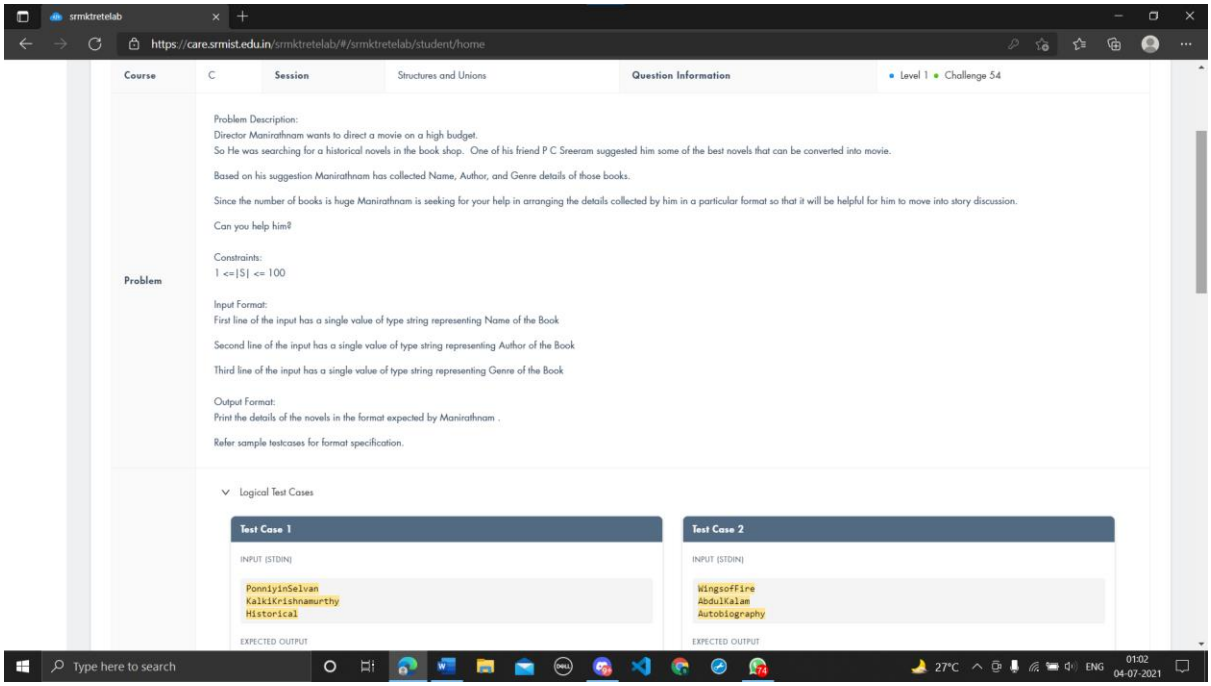

```
#include <stdio.h>
union Time{
   int A,B,C,D,E,F;
};
int main()
{
   union Time harsh;
   scanf("%d",&harsh.A);
   int temp1=harsh.A;
   scanf("%d",&harsh.B);
   printf("%d\n",temp1-harsh.B);
   scanf("%d",&harsh.C);temp1=harsh.C;
   scanf("%d",&harsh.D);
   printf("%d\n",temp1-harsh.D);
   scanf("%d",&harsh.E);temp1=harsh.E;
   scanf("%d",&harsh.F);
   printf("%d\n",temp1-harsh.F);
          return 0;}
```



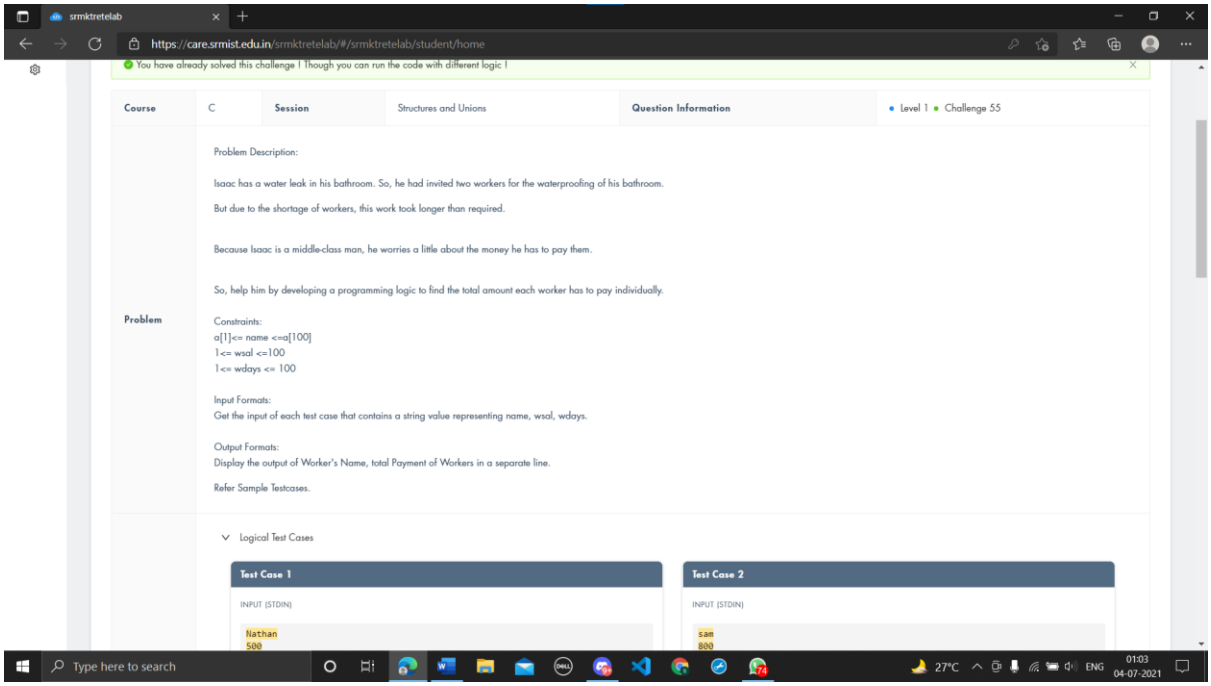

```
#include <stdio.h>
struct Distance
{
   int d1,d3;
   float d2,d4;
};
int main()
{
   int res1;
   float res2;
   struct Distance harsh;
   scanf("%d %f %d %f",&harsh.d1,&harsh.d2,&harsh.d3,&harsh.d4);
   res1=harsh.d1+harsh.d3;
   res2=harsh.d2+harsh.d4;
   printf("%d feet and %0.2f inches",res1,res2);
          return 0;
}
```



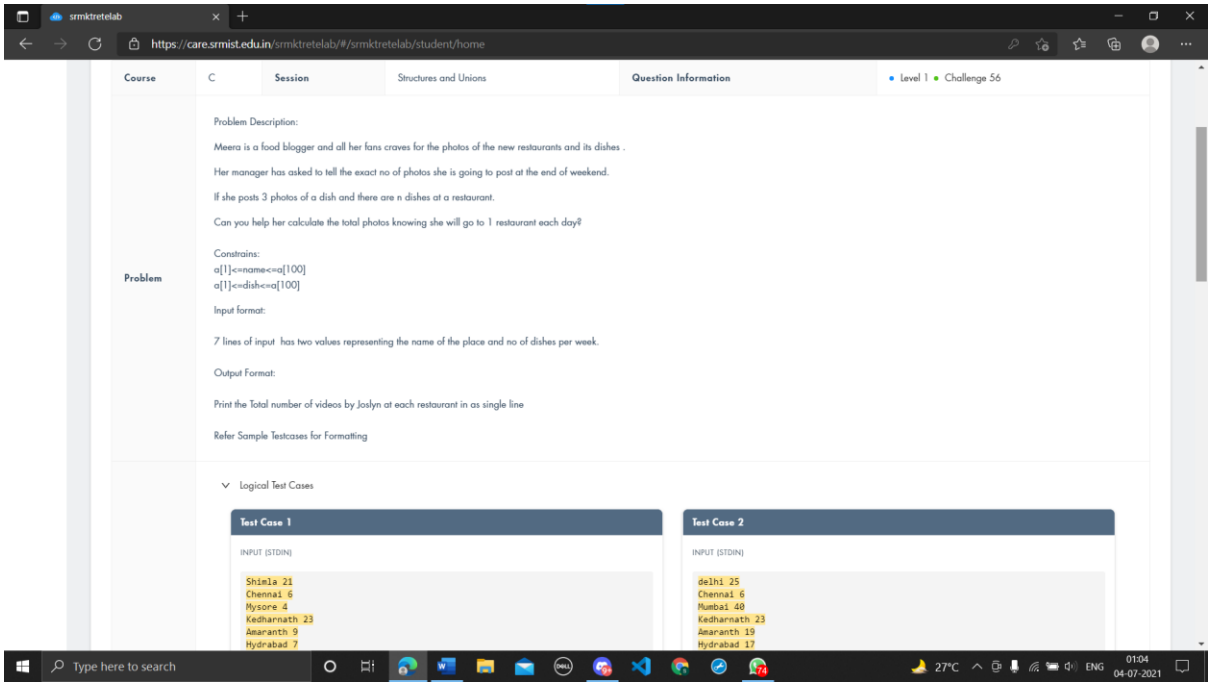

```
#include <stdio.h>
#include<string.h>
struct groceryshop
{
   int qty;
   float price,gst;
};
int main()
{ struct groceryshop tax;
char ch[10];
scanf("%s",ch);
scanf("%f %d",&tax.price,&tax.qty); tax.gst=0.14;float total=tax.price*tax.qty;
printf("%s\n%.2f\n%.2f\n%.2f",ch,total,total*tax.gst,total+(total*tax.gst));
return 0;
}
```



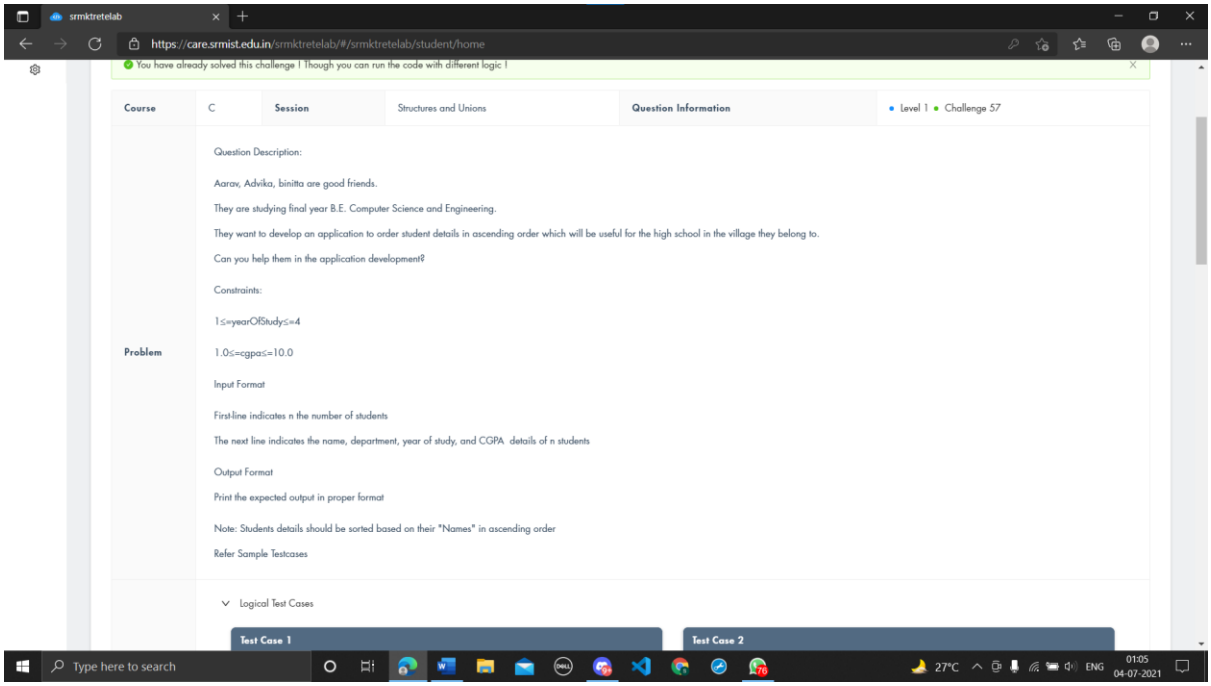

```
#include <stdio.h>
union book
{
   char ch[100];
};
int main()
{ union book b1;
 scanf("%s",b1.ch);
 printf("Title:%s\n",b1.ch);
 scanf("%s",b1.ch);
 printf("Writer:%s\n",b1.ch);
 scanf("%s",b1.ch);
 printf("Genre:%s",b1.ch);

        return 0;
}
```




```
#include <stdio.h>
struct worker{
  char name[50];
  int wsal;
  int wdays;
  int total;
};
int main()
{
    struct worker a,b;
    scanf("%s %d %d",a.name,&a.wsal,&a.wdays);
    scanf("%s %d %d",b.name,&b.wsal,&b.wdays);
    printf("%s\n",a.name);
    a.total=(a.wsal)*(a.wdays);
    printf("%d\n",a.total);
    printf("%s\n",b.name);
    b.total=(b.wsal)*(b.wdays);
    printf("%d",b.total);
            return 0;}
```

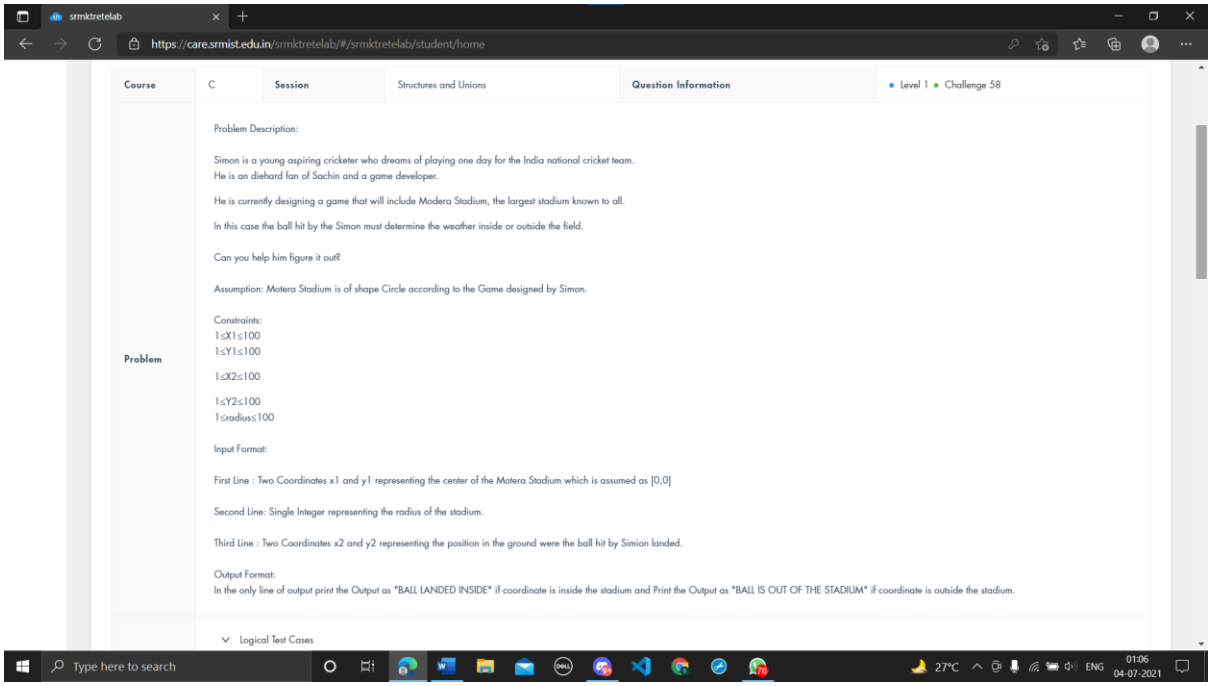



```
#include <stdio.h>
struct video
{
   char place[100];
   int vid;
};
int main()
{ int i;
struct video clip;
struct video clips[7];
clip.vid = 0;
for(i = 0;i<7;i++){
   scanf("%s", clips[i].place);
   scanf("%d", &clips[i].vid);
   clip.vid+=clips[i].vid;
   }
   for(i = 0;i<7;i++){
      printf("%s : ", clips[i].place);
      printf("%d\n", 3*clips[i].vid);
   }
   printf("TOTAL : %d",3*clip.vid);
return 0;
}
```

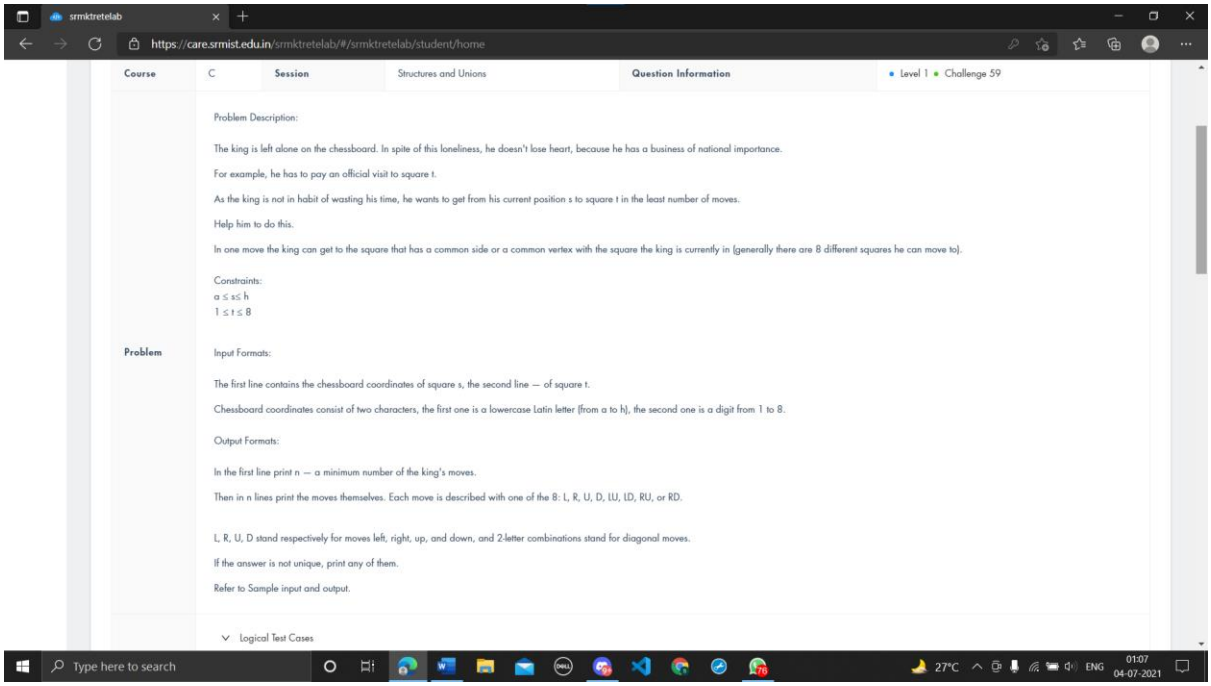



```
#include <stdio.h>
#include <string.h>
struct Student{
   char name[50];
   char dept[5];
   int year;
   float gpa;
}
s[100],t;
int main()
{
      int i=0,j=0,n;
      scanf("%d",&n);
      for(i=0;i<n;i++){
         scanf("%s %s %d %f",s[i].name,s[i].dept,&s[i].year,&s[i].gpa);
      }
```

```
    for(i=0;i<n;i++){
       for(j=i+1;j<n;j++){
          if(strcmp(s[i].name,s[j].name)>0){
             t=s[i];
             s[i]=s[j];
             s[j]=t;
          }
       }
    }
    for(i=0;i<n;i++){
       printf("Name:%s\n",s[i].name);
       printf("Department:%s\n",s[i].dept);
       printf("Year of study:%d\n",s[i].year);
       printf("CGPA:%.1f\n",s[i].gpa);
    }

       return 0;
}
```

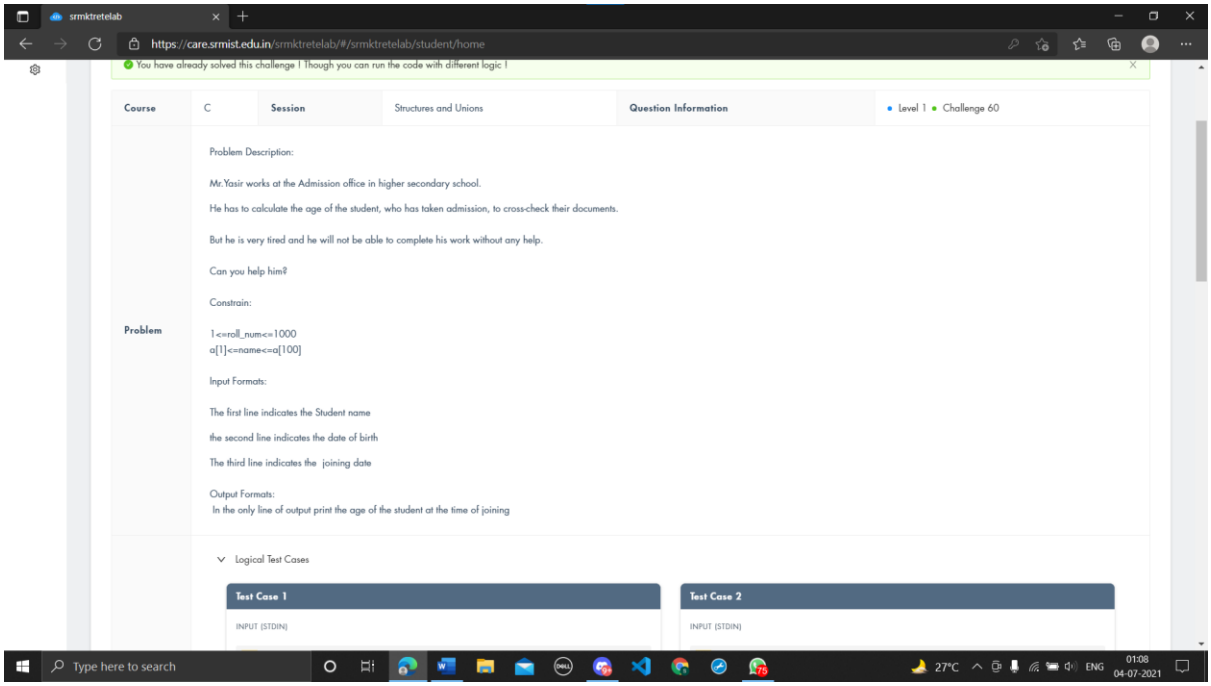



```
#include <stdio.h>
#include <math.h>
struct circleshape{
   int x1,x2;
   int y1,y2;
   int r;
};
int main()
{
   struct circleshape dis;
   scanf("%d %d %d %d %d",&dis.x1,&dis.y1,&dis.r,&dis.x2,&dis.y2);
   dis.x1=sqrt(pow(dis.x2-dis.x1,2));dis.x2=sqrt(pow(dis.y2-dis.y1,2));
   if(dis.r<(dis.x1+dis.x2))
   printf("BALL IS OUT OF THE STADIUM");
   else
   printf("BALL LANDED INSIDE THE STADIUM");
        return 0;
}
```

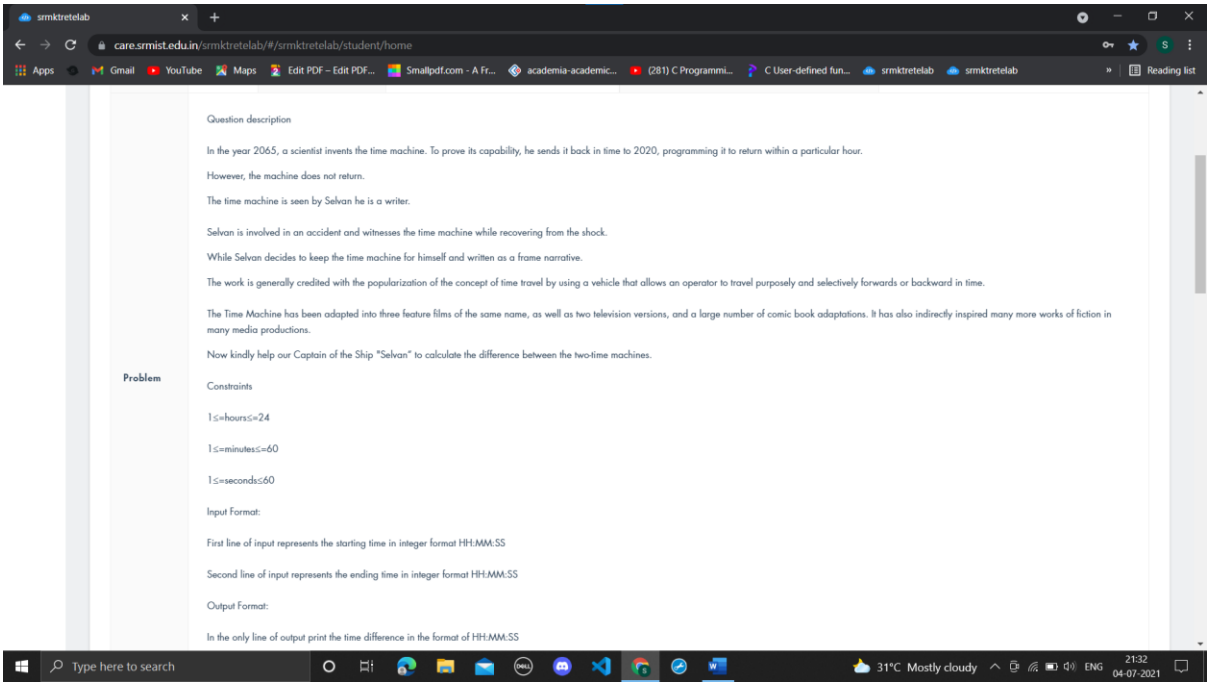



```
#include <math.h>
#include <stdlib.h>
#include <stdio.h>
struct king
{
      char s1[5],s2[5];
};
int main()
{
   struct king path;



   scanf("%s%s",path.s1,path.s2);
      int x=path.s2[0]-path.s1[0];
      int y=path.s2[1]-path.s1[1];
      abs(x>y)?printf("%d\n",abs(x)):printf("%d\n",abs(y));
      while(x||y)
```

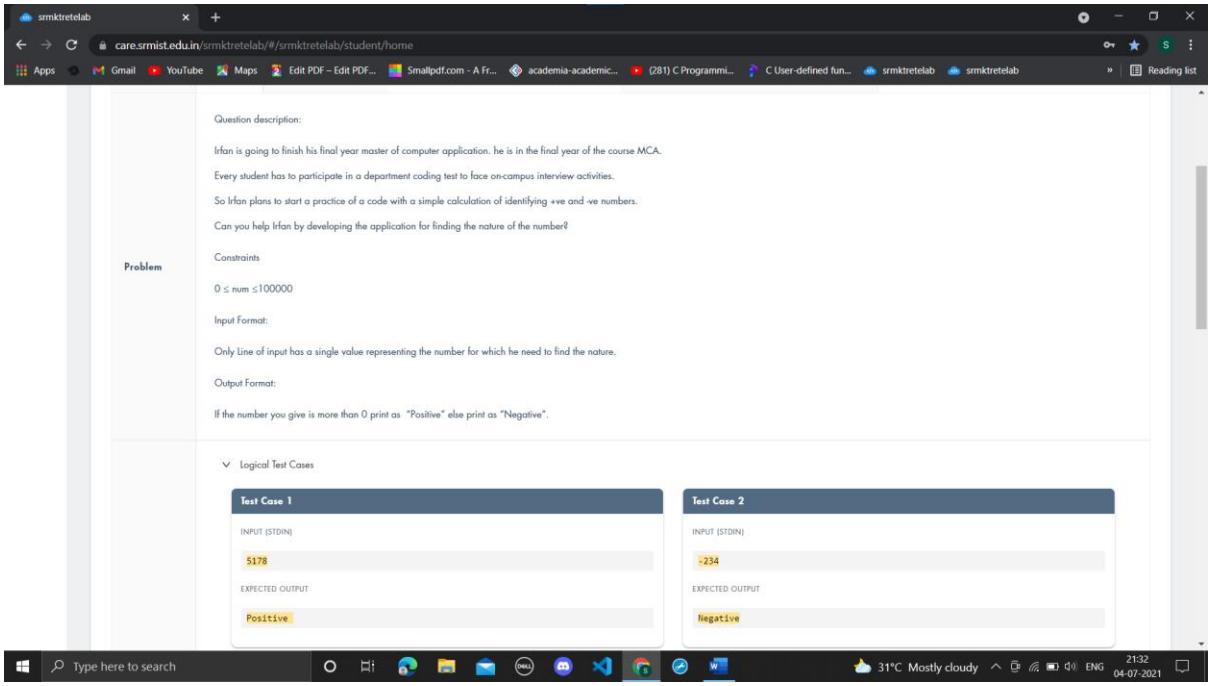
```
        {
            if(x>0)
             {   x--;printf("R");}
            if(x<0)
             {   x++;printf("L");}
            if(y>0)
               {y--;printf("U");}
            if(y<0)
               {y++;printf("D");}
            printf("\n");
        }
    return 0;
}
```



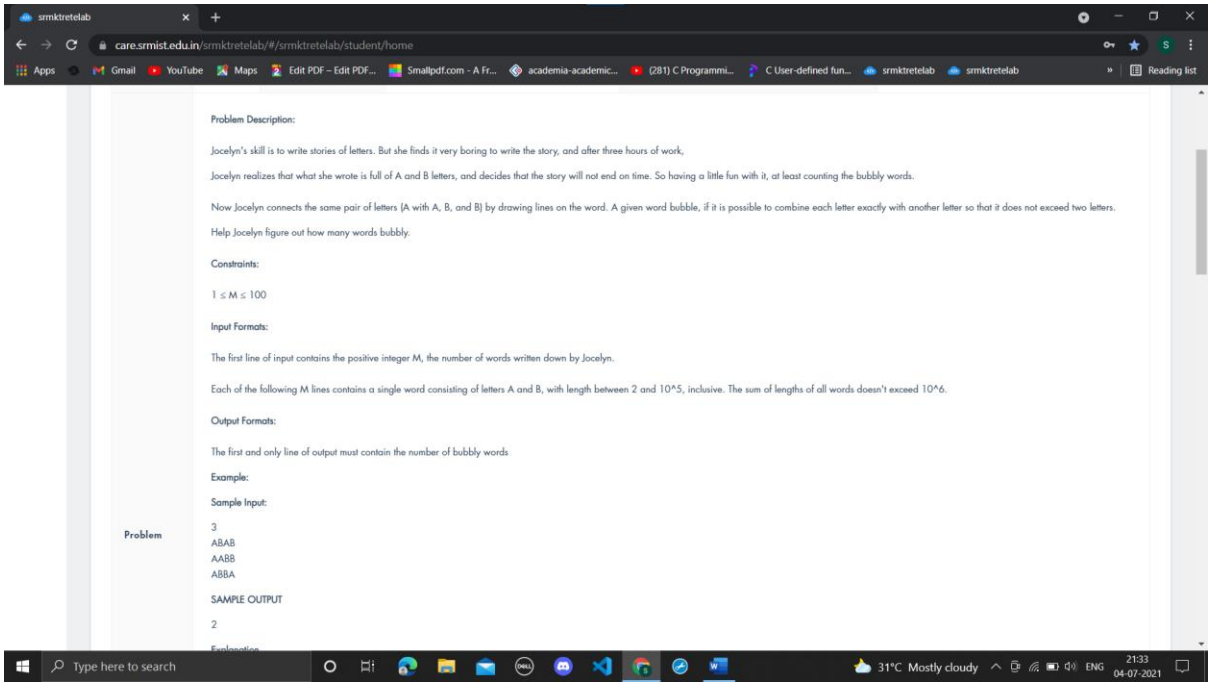

```
#include <stdio.h>
struct Admission
{ char name[100];
  int d1,m1,y1,d2,m2,y2,roll;
};
int main()
{ struct Admission t;
  int y;
  scanf("%d \n%s\n %d-%d-%d\n%d-%d-
%d",&t.roll,t.name,&t.d1,&t.m1,&t.y1,&t.d2,&t.m2,&t.y2);
  y=t.y2-t.y1;
  printf("Age at Time of Admission %d Years",y);

        return 0;
}
```



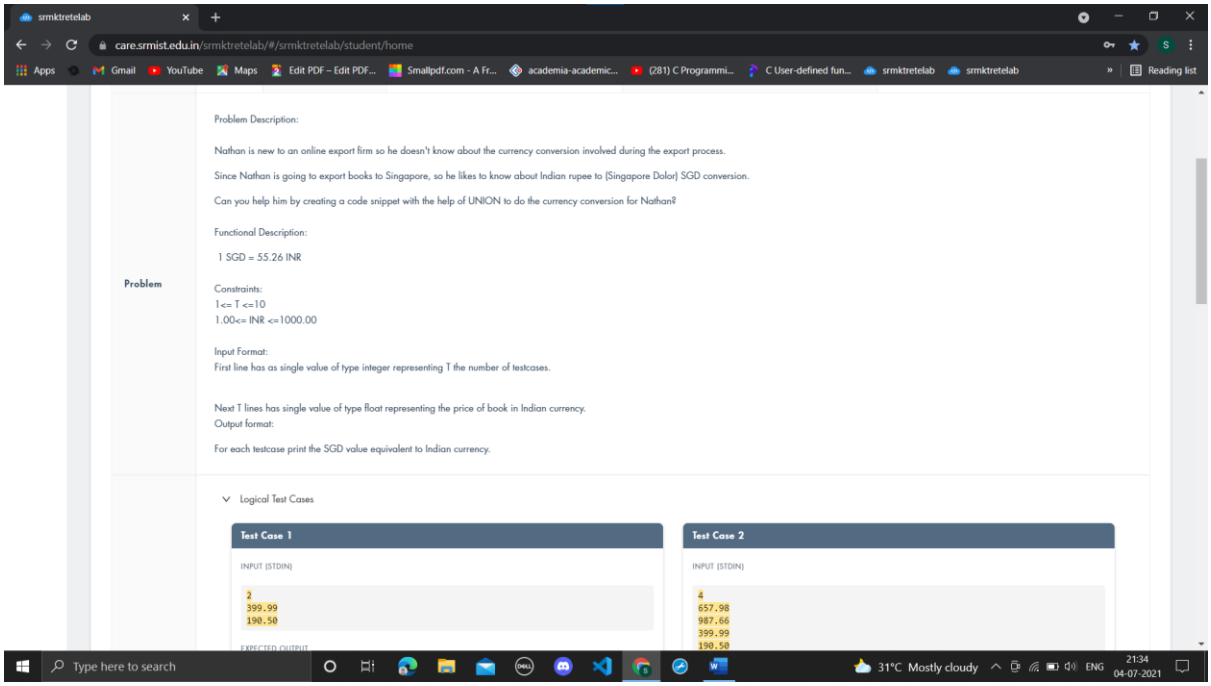

```
#include <stdio.h>
struct Time
{
   int h1,m1,s1,h2,m2,s2;
}x;
int main()
{
   scanf("%d %d %d\n",&x.h1,&x.m1,&x.s1);
   scanf("%d %d %d\n",&x.h2,&x.m2,&x.s2);
   printf("%d:",x.h1-x.h2);
   printf("%d:",x.m1-x.m2);
   printf("%d",x.s1-x.s2);

        return 0;
}
```



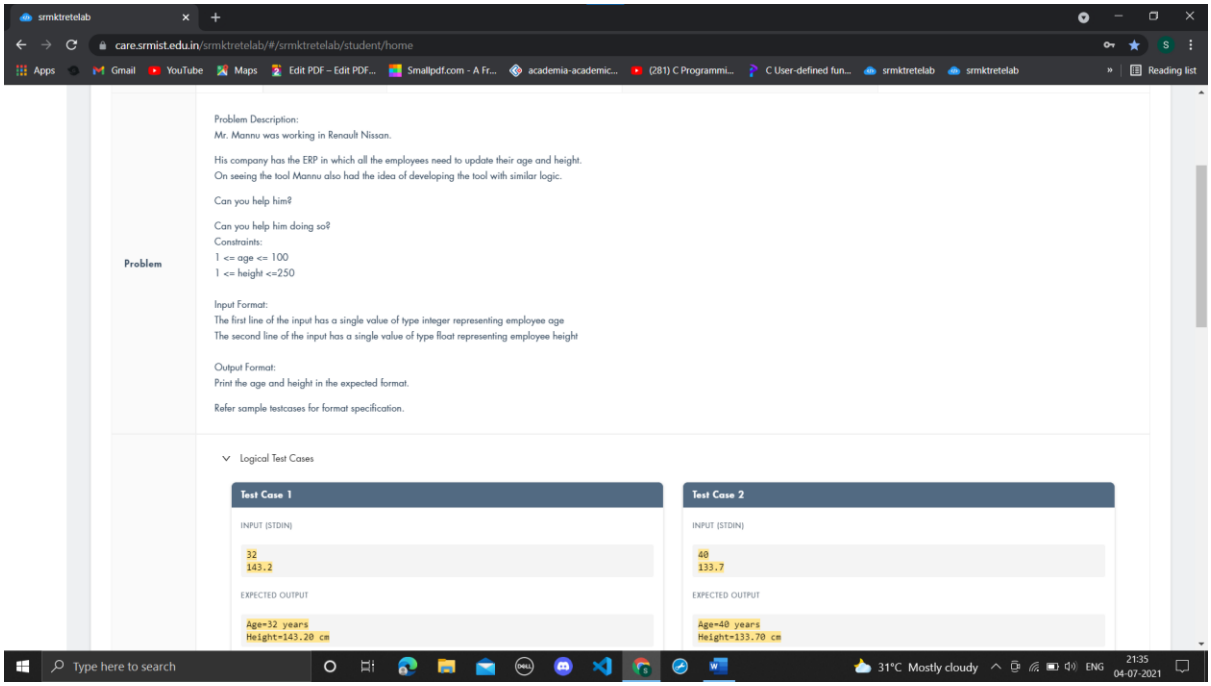

```
#include <stdio.h>
union Calculator
{
   int a;
};
int main()
{
   union Calculator c1;
   scanf("%d",&c1.a);
   if(c1.a>=0)
   printf("Positive");
   else
   printf("Negative");
        return 0;
}
```



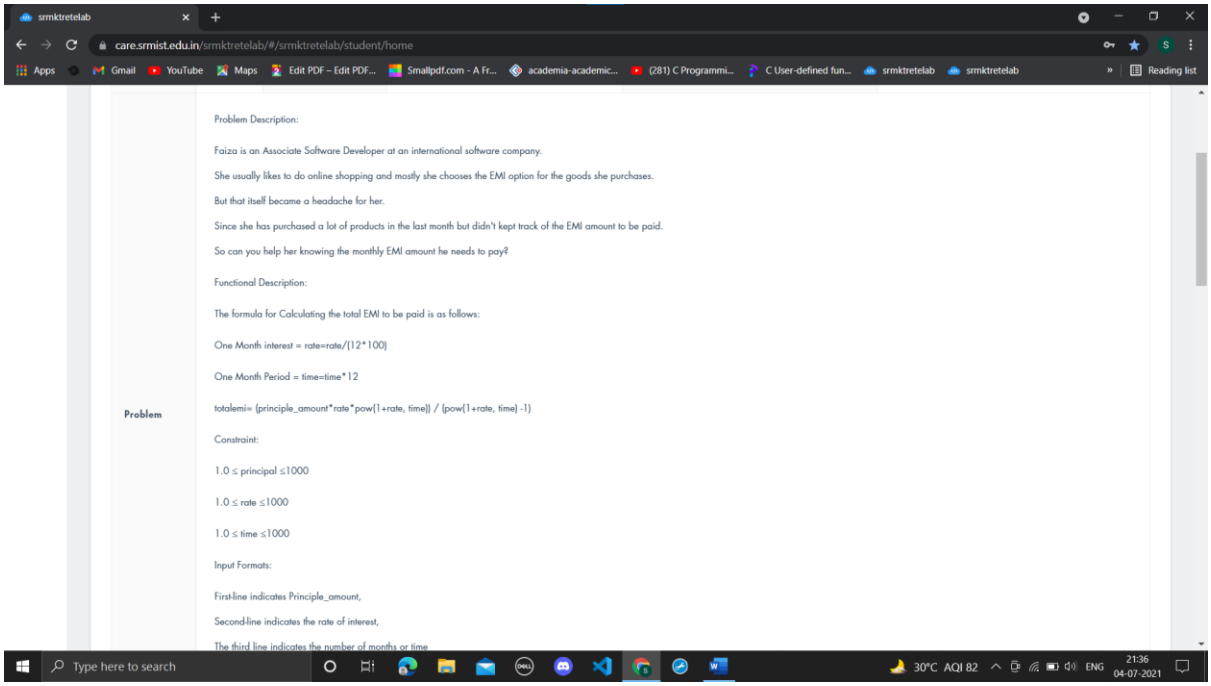

```
#include <stdio.h>
#include<string.h>
struct letters
{
   char ch[20];
};
int main()
{ struct letters story;
 int t,count=0;
 scanf("%d",&t);
 while(t!=0)
 { scanf("%s",story.ch);
 int i;
    for(i=0;i<strlen(story.ch);i++)
    { if(story.ch[i]==story.ch[i+1])
       { count++;
         break;
       }
    }
    t--;
 }
 printf("%d",count);
                return 0;
}
```



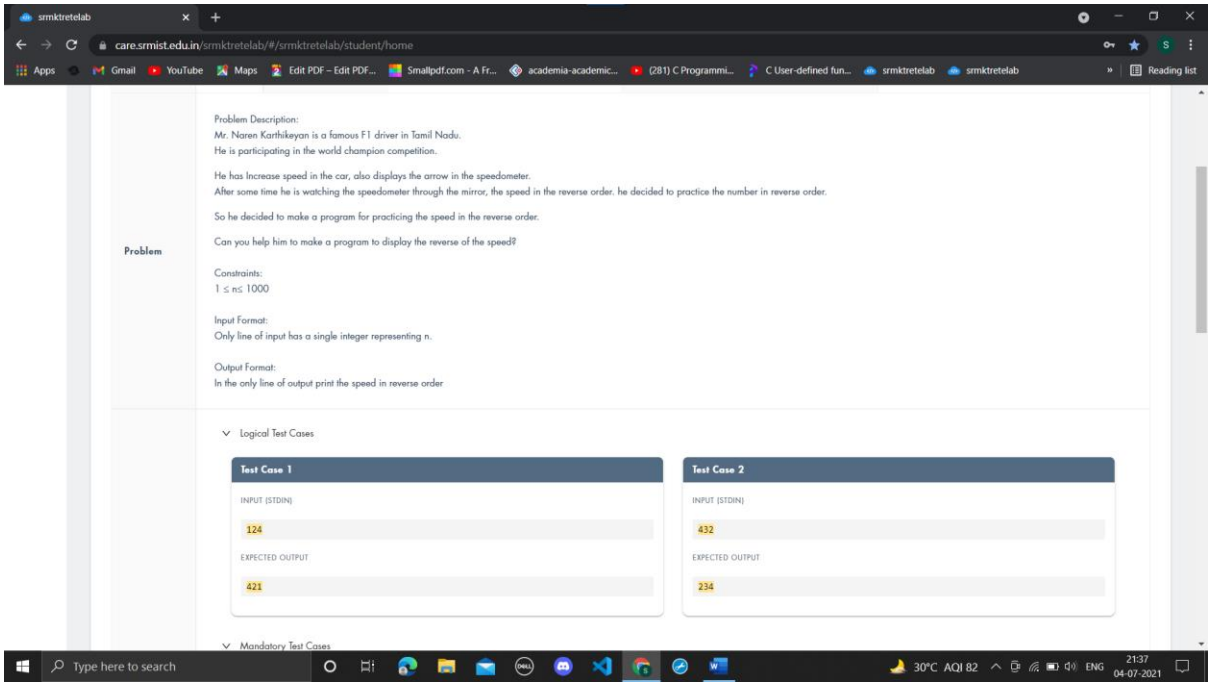

```
#include <stdio.h>
union price{
   float inr;
};
union price book;
int main()
{int t;
scanf("%d",&t);
while(t--){
   scanf("%f",&book.inr);
   printf("%.2f\n",book.inr*55.26);
}
   return 0;
}
```



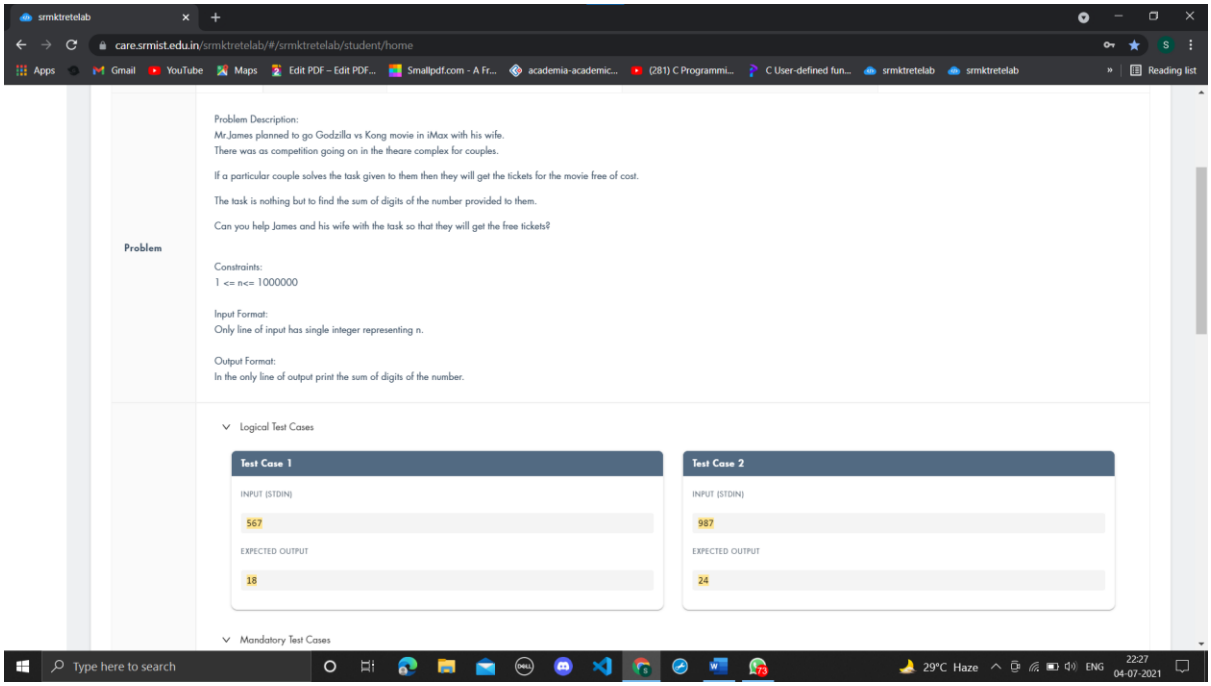

```c
#include <stdio.h>
union number
{
   int n1;
   float n2;
};
int main()
{
   union number x;
   scanf("%d",&x.n1);
   printf("Age=%d years\n",x.n1);
   scanf("%f",&x.n2);
   printf("Height=%0.2f cm",x.n2);
   return 0;
}
```



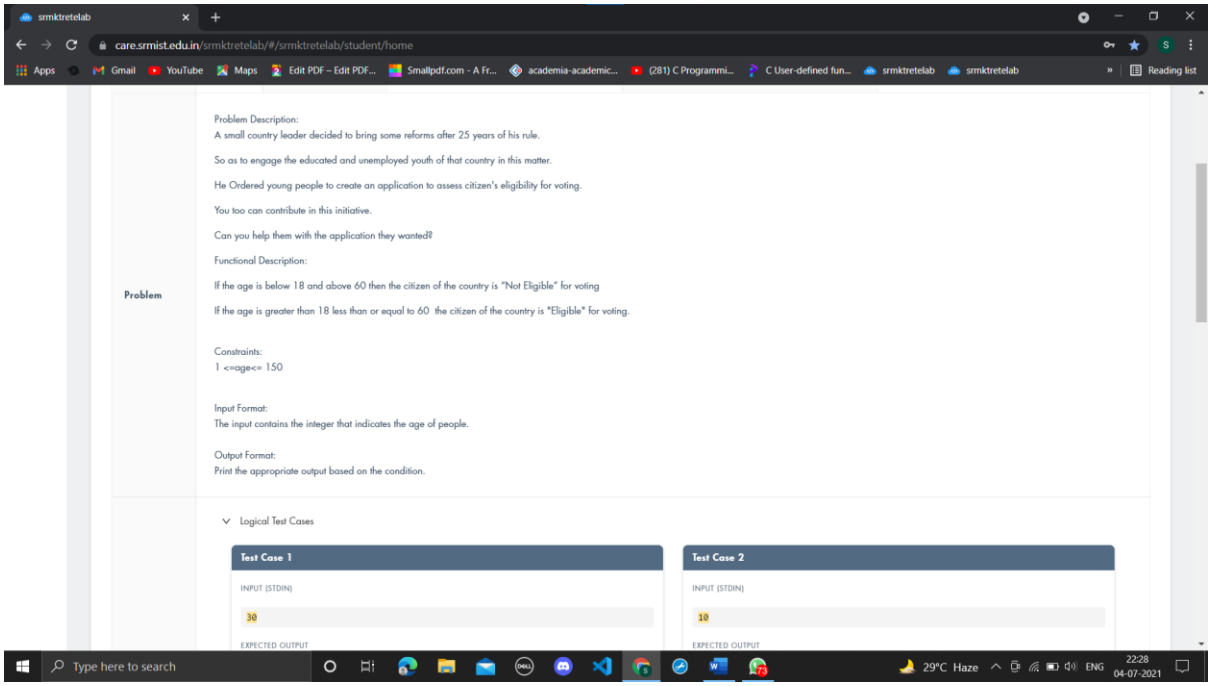

```
#include <stdio.h>
#include<math.h>
struct EMI
{
   float principal_amount,rate,time;
};
int main()
{ struct EMI n;
 float pay;
 scanf("%f %f %f",&n.principal_amount,&n.rate,&n.time);
 n.rate=n.rate/1200;
 n.time=n.time*12;
 pay=(n.principal_amount*n.rate*pow((1+n.rate),n.time))/(pow((1+n.rate),n.time)-1);
 printf("%0.2f",pay);

    return 0;
}
```



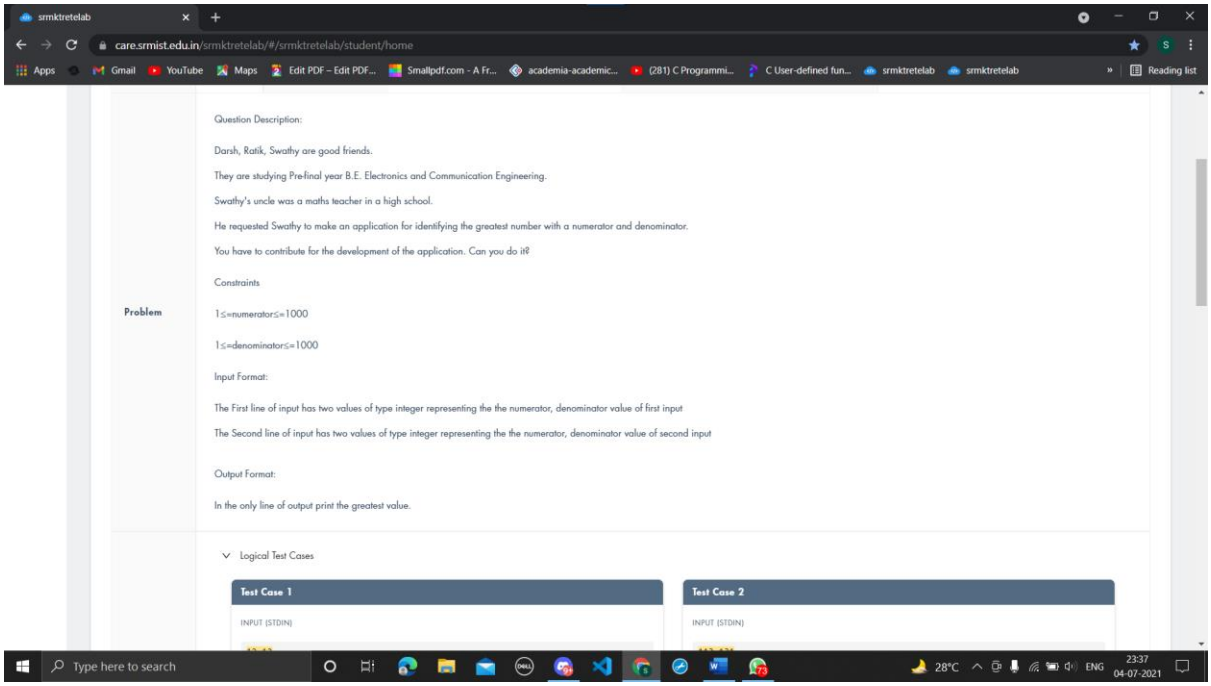

```
#include <stdio.h>
union reverse
{
   int n;
};
int main()
{ union reverse R;
 int r,num=0;
 scanf("%d",&R.n);
 while(R.n)
  { r=R.n%10;
    num=num*10+r;
    R.n/=10;
  }
 printf("%d",num);
            return 0;
}
```




```
#include <stdio.h>
int sum(int num)
{
   if(num!=0)
   {
      return (num%10+sum(num/10));

   }
   else
   return 0;
}
union Data
{
   int num,res;
}data;
int main()
{
   scanf("%d",&data.num);
   data.res=sum(data.num);
   printf("%d",data.res);
            return 0;
}
```




```
#include <stdio.h>
union Citizen
{
   int age;
};
int main()
{ union Citizen E;
scanf("%d", &E.age);
if((E.age > 18) && (E.age <= 100)) printf("Eligible");
else printf("Not Eligible");

        return 0;
}
```




```
#include <stdio.h>
struct fraction{
   int A,B,C,D;
};
int main()
{
   struct fraction number;
   scanf("%d %d %d %d",&number.A,&number.B,&number.C,&number.D);
   if((number.A/number.B)>(number.C/number.D))
   printf("%d/%d is greater than %d/%d",number.A,number.B,number.C,number.D);
//    else if((number.A/number.B)<(number.C/number.D))
   else
   printf("%d/%d is smaller than %d/%d",number.A,number.B,number.C,number.D);
            return 0;
}
```