

```

// Assignment-1
// 1. Movie Tickets

#include<iostream>
using namespace std;

int circle(int, char);
double coupon(char, double);
double refresh(int, char);

main()
{
    int n, king, queen;
    double tc, c, k, r, coup, tcost, total_cost;
    char ref, cc, cir;
    //cout<<"Yea...!, Our multiplex has announced discounts on movie tickets."<<endl;
    cout<<"Enter the no. of tickets : \t";
    cin>>n;
    if(n>=5 && n<=40)
    {
        cout<<"Do you want Refreshment : \t";
        cin>>ref;
        cout<<"Do you have coupon code : \t";
        cin>>cc;
        cout<<"Enter the circle : \t\t";
        cin>>cir;
    }
    else
    {
        cout<<"Minimum of 5 and Maximum of 40 Tickets"<<endl;
        exit(0);
    }
    c = circle(n, cir);
    cout<<"\t\t\t\t\t 1. Circle Total Cost : "<<c<<endl;
    if(n > 20)
    {
        k = c * 10 / 100;
        c = c - k;
        cout<<"\t\t\t\t\t 2. After adding 10% discount : "<<c<<endl;
    }
    else
    {
        cout<<"\t\t\t\t\t 2. Discount is not applicable if you select less than 20 tickets :
"<<c<<endl;
    }
    coup = coupon(cc, c);
    tcost = coup;
    cout<<"\t\t\t\t\t 3. After applying coupon code : "<<tcost<<endl;
    r = refresh(n, ref);
    total_cost = tcost + r;
    cout<<"\t\t\t\t\t 4. If refreshment is added : "<<r<<endl;
}

```

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        cout<<"\t\t\t\t 5. Total Tickets Cost ( 3. + 4.) : "<<total_cost<<endl;
        cout<<"\n\n\n\nTicket cost : "<<total_cost<<endl;
    }

```

```

int circle(int n, char cir)
{
    int tc;
    if(cir == 'k')
    {
        int king = 75;
        tc = king * n;
    }
    else if (cir == 'q')
    {
        int queen = 150;
        tc = queen * n;
    }
    else
    {
        cout<<"Invalid Input"<<endl;
        exit(0);
    }
    return tc;
}

```

```

double refresh(int n, char ref)
{
    if (ref == 'y')
    {
        n = n * 50;
    }
    else
    {
        n = 0;
    }
    return n;
}

```

```

double coupon(char cc, double c)
{
    if (cc == 'y')
    {
        c = c - (c * 2 / 100);
    }
    else
    {
        c;
    }
    return c;
}

```

```
D:\1Sem - V\VC++\Assignments\1movie_tickets.exe
Yea...!, Our multiplex has announced discounts on movie tickets.
Enter the no. of tickets :      35
Do you want Refreshment :      y
Do you have coupon code :      y
Enter the circle :              k

1. Circle Total Cost : 2625
2. After adding 10% discount : 2362.5
3. After applying coupon code : 2315.25
4. If refreshment is added : 1750
5. Total Tickets Cost ( 3. + 4.) : 4065.25

Ticket cost : 4065.25

-----
Process exited after 9.97 seconds with return value 0
Press any key to continue . . .
```

```
D:\1Sem - V\VC++\Assignments\1movie_tickets.exe
Yea...!, Our multiplex has announced discounts on movie tickets.
Enter the no. of tickets :      1
Minimum of 5 and Maximum of 40 Tickets

-----
Process exited after 1.008 seconds with return value 0
Press any key to continue . . .
```

```
// Assignment-1
```

```
// 2.News Editor
```

```
#include<iostream>
```

```
using namespace std;
```

```
int len(string s)
```

```
{
```

```
    int i;
```

```
    for(i = 0; s[i] != NULL; i++);
```

```
    return i;
```

```
}
```

```
int main()
```

```
{
```

```
    string str, x, y, output;
```

```
    int a, b, c, i, j, k, flag=0, start, end, s=0;
```

```
    cout<<"\nEnter the string : \n"<<endl;
```

```
    getline(cin, str);
```

```
    cout<<"\nEnter the word to be searched : \n"<<endl;
```

```
    cin>>x;
```

```
    cout<<"\nEnter the word to be replaced : \n"<<endl;
```

```
    cin>>y;
```

```
    a = len(str);
```

```
    b = len(x);
```

```
    c = len(y);
```

```
    for(i=0; i<a; i++)
```

```
    {
```

```
        flag = 0;
```

```
        start = i;
```

```
        for(j=0; str[i]==x[j]; j++, i++)
```

```
        {
```

```
            if(j==b-1)
```

```
            {
```

```
                flag=1;
```

```
                s=1;
```

```
            }
```

```
        }
```

```
        end=i;
```

```
        if(flag==0)
```

```
        {
```

```
            i-=j;
```

```
        }
```

```
        else
```

```
        {
```

```
            for(j=start; j<end; j++)
```

```
            {
```

```

        for(k=start;k<a;k++)
        {
            str[k]=str[k+1];
        }
        a--;
        i--;
    }
    for(j=start;j<start+c;j++)
    {
        for(k=a;k>=j;k--)
        {
            str[k+1]=str[k];
        }
        str[j]=y[j-start];
        a++;
        i++;
    }
}
}
if(s == 1)
{
    cout<<"\n\nAfter Replacing : \t"<<str<<endl;
}
else{
    cout<<"\n\n\t\t\tThe word "<<x<<" not found"<<endl;
}
}
}

```

```

D:\1Sem - V\ C++\Assignments\2news_editor.exe
Enter the string :
Have a good day
Enter the word to be searched :
good
Enter the word to be replaced :
nice
After Replacing :      Have a nice day
-----
Process exited after 15.16 seconds with return value 0
Press any key to continue . . .

```

```
D:\1Sem - V\VC++\Assignments\2news_editor.exe

Enter the string :
Have a good day
Enter the word to be searched :
nice
Enter the word to be replaced :
nice

The word nice not found
-----
Process exited after 14.47 seconds with return value 0
Press any key to continue . . .
```

```
D:\1Sem - V\VC++\Assignments\2news_editor.exe

Enter the string :
Google PlayStoe is a digital distribution service operated and deveoped by Google.
Enter the word to be searched :
Google
Enter the word to be replaced :
Yahoo

After Replacing :      Yahoo PlayStoe is a digital distribution service operated and deveoped by Yahoo.
-----
Process exited after 53.07 seconds with return value 0
Press any key to continue . . .
```