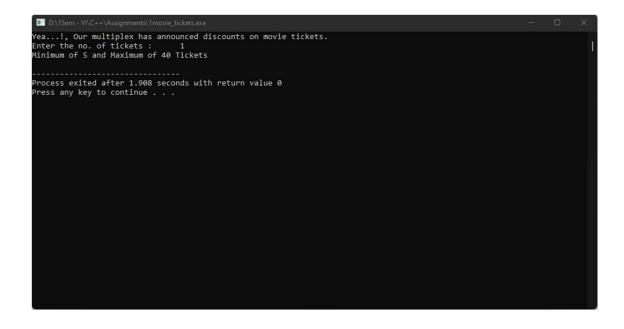
```
// Assignment-1
// 1. Movie Tickets
#include<iostream>
using namespace std;
int circle(int, char);
double coupon(char, double);
double refresh(int, char);
main()
{
        int n, king, queen;
        double tc, c, k, r, coup, tcost, total_cost;
        char ref, cc, cir;
        //cout<<"Yea...!, Our multiplex has announced discounts on movie tickets."<<endl;
        cout<<"Enter the no. of tickets : \t";</pre>
        cin>>n;
        if(n>=5 && n<=40)
        {
                 cout<<"Do you want Refreshment: \t";
                 cin>>ref;
                cout<<"Do you have coupon code : \t";
                 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 1. Circle Total Cost : "<<c<endl;</pre>
        if(n > 20)
        {
                 k = c * 10 / 100;
                c = c - k;
                 cout<<"\t\t\t\t\t 2. After adding 10% discount : "<<c<endl;</pre>
        }
        else
        {
                cout<<"\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 3. After applying coupon code : "<<tcost<<endl;</pre>
        r = refresh(n, ref);
        total_cost = tcost + r;
        cout<<"\t\t\t\t\4. If refreshment is added : "<<r<<endl;</pre>
```

```
cout << "\n\n\n\n\c 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;</pre>
              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;
}
```





```
// 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;</pre>
        getline(cin, str);
        cout<<"\nEnter the word to be searched : \n"<<endl;</pre>
        cout<<"\nEnter the word to be replaced : \n"<<endl;</pre>
        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++)</pre>
```

```
for(k=start;k<a;k++)</pre>
                                            str[k]=str[k+1];
                                    }
                                    a--;
                                   i--;
                           for(j=start;j<start+c;j++)</pre>
                                   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;</pre>
         }
         else{
                  cout<<"\n\n\t\tThe word "<<x<<" not found"<<endl;</pre>
         }
}
```

```
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...
```

