

The Story Behind it

Code Poetry is a pleasant mixture programming and the aesthetics and smooth flow of poetry. It combines the challenge and enjoyment of both forms of craft. They are both art in my eyes.

My poem “Rainbows and Sunshine”, aims to brighten the day of anyone who reads the source code or uses the program it makes up.

```
int d=0, stopd=0;

cout<<"Please enter the airport code of the city of destination: ";
cin>>destin;
cout<<endl;

d=searchCities(cities,numCities,destin);
if (d==1){
    cout<<"A city with this airport code does not exist: "<<destin<<endl;
    return;
}

cout<<"The following are the flights to "<<cities[d].name<<": "<<endl;

for (int l=0; l<numCities; l++){
    if(flights[l][d].aircraft!="N/A"){
        if(flights[l][d].frequency==0){
            freq="daily";
        } else {
            freq="weekly";
        }
    }

    cout<<"There are "<<freq<<" flights between "<<cities[l].name<<" and "<<cities[d].name<<endl;
    cout<<" Aircraft: "<<flights[r][l].aircraft<<endl;
    cout<<" Capacity: "<<flights[r][l].capacity<<endl;
    cout<<" Distance: "<<abs(flights[r][l].distance)<<endl;

    stopf=stopf+1;
}

if(flights[r][l].distance==0){
    cout<<" NB: This flight is with a partner airline."<<endl;
}

cout<<"The is/are flight/s from "<<cities[r].name<<" going to "<<stopf<<" destination cities."<<endl;

}

void option6(City cities[], int numCities, Flight flights[100])
string destin, freq;
int d=0, stopd=0;

cout<<"Please enter the airport code of the city of destination: ";
cin>>destin;
cout<<endl;

d=searchCities(cities,numCities,destin);
if (d==1){
    cout<<"A city with this airport code does not exist: "<<destin<<endl;
    return;
}

cout<<"The following are the flights to "<<cities[d].name<<": "<<endl;

for (int l=0; l<numCities; l++){
    if(flights[l][d].aircraft!="N/A"){
        if(flights[l][d].frequency==0){
            freq="daily";
        } else {
            freq="weekly";
        }
    }

    cout<<"There are "<<freq<<" flights between "<<cities[l].name<<" and "<<cities[d].name<<endl;
    cout<<" Aircraft: "<<flights[r][l].aircraft<<endl;
    cout<<" Capacity: "<<flights[r][l].capacity<<endl;
    cout<<" Distance: "<<abs(flights[r][l].distance)<<endl;

    stopf=stopf+1;
}

if(flights[r][l].distance==0){
    cout<<" NB: This flight is with a partner airline."<<endl;
}

cout<<"The is/are flight/s from "<<cities[r].name<<" going to "<<stopf<<" destination cities."<<endl;

}

void option6(City cities[], int numCities, Flight flights[100])
string destin, freq;
int d=0, stopd=0;

cout<<"Please enter the airport code of the city of destination: ";
cin>>destin;
cout<<endl;

d=searchCities(cities,numCities,destin);
if (d==1){
    cout<<"A city with this airport code does not exist: "<<destin<<endl;
    return;
}
```

The beauty at the Backend (part 1)

```
1 //Rainbows and Sunshine by: Shereece A.A. Victor
2 //Written in C++
3
4 #include <iostream>
5 #include <fstream>
6 using namespace std;
7
8 struct i_see{
9     char res_of_true_success  =' ';
10
11 };
12
13
14 struct live_with{
15     int egration;
16     float ing_on_a_cloud;
17     char ged_with_positive_energy,
18
19     o_r; int o, misplaced_words_like;
20
21     char is_rainbows[30];
22     char is_sunshine[30];
23
24     char maybe_it_doesnt_matter[30];
25     char sometimes_things_just_shouldnt_be_understood;
26
27 };
```

The program is written using carefully chosen variable names that are both functional and poetic when read.

Of course, some elements of the programming language may seem weird to the average English reader.

Luckily, everyone doesn't have to read the back end of applications.



The beauty at the Backend (part 2)

```
29 long life(){
30     i_see u;
31     live_with happiness;
32
33     ofstream but_flowng_with, tranquility, say;
34
35     say.open("ly_what_you_mean.txt");
36
37     say<<"Happiness is what you make it.";
38     cout<<u.res_of_true_success
39     <<" Who are you? ";
40     //cin sounds like seeing
41     cin>>happiness.is_rainbows;
42
43     cout<<u.res_of_true_success
44     <<" What do you love? ";
45     cin>>happiness.is_sunshine;
46
47     cout<<endl<<endl;
48     cout<<"Happiness is true success."<<endl;
49     cout<<"For " <<happiness.is_rainbows<<","<<endl;
50     cout<<happiness.is_sunshine<<" will help you find,"<<endl;
51     cout<<"Rainbows and Sunshine."<<endl;
52     cout<<"
53         -Reece";
54
55     live_with belief;
56     happiness.o_r; tranquility;
57
58     return 1;
59 }
60 int main(){
61
62     life();
63
64     return 0;
65 }
```

This part of the program, strays from the using variables and variable names that can be read as poem lines a bit to create a personalized poem as output for the user.

```
    cout<<"The following are the flights " <<u.res_of_true_success<<endl;
    for (int l=0; l<numCities; l=l+1){
        if(flights[l][d].aircraft!="None"
            if(flights[l][d].frequency>0){
                freq="daily";
            }
            else{
                freq="weekly";
            }
        cout<<"There are "<<freq<<" flights between "<<cities[l].name<<" and "<<cities[l+1].name<<endl;
        cout<<" Aircraft: " <<flights[r][l].aircraft<<endl;
        cout<<" Capacity: " <<flights[r][l].capacity<<endl;
        cout<<" Distance: " <<abs(flights[r][l].distance)<<endl;
        stopf=stopf+1;
    }
    if(flights[r][l].distance<0){
        cout<<" NB: This flight is with a passenger airline"<<endl;
    }
    cout<<"The is/are flight/s from " <<cities[r].name<<" to " <<cities[l+1].name<<endl;
    void option6(city cities[], int numCities, Flight flights[numCities][2]){
        string destin, freq;
        int d=0, stopd=0;
        cout<<"Please enter the airport code of the city of destination: ";
        cin>>destin;
        cout<<endl;
        d=searchCities(cities,numCities,destin);
        if (d==-1){
            cout<<"A city with this airport code does not exist: "<<destin<<endl;
            return;
        }
    }
```


What the User sees...

When someone runs the program first they enter their name, then something they love.

They're then presented with a poem written just for them about Happiness, Rainbows and Sunshine.

Hopefully it puts a smile on their face.

```
Who are you? Betty
What do you love? "Codetry"

Happiness is true success.
For Betty,
"Codetry" will help you find,
Rainbows and Sunshine.
        -Reece

-----
Process exited after 87.22 seconds with return value 0
Press any key to continue . . .
```

I like Code Poetry ("Codetry") because:

Poems comfort people by making hard to communicate feelings and concepts sound relatable.

By creating programs we break problems down into simpler forms making them more understandable.

The combination of both is a beautiful merge of a new idea and a problem being solved. By the end of a code poem life should seem a tad bit easier.

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