Philip Pesic

Week 4

September 11 2022

Week 4 Prog 4

Program 4 - Pick color Class

Create a class that randomly pick a color from an array of colors: string colors[7];

Have the colors array and all functions defined in the class.

Create and use a void setElement(index, "color") function to assign values to the array elements

0 to 6: red, orange, yellow, green, blue, indigo, violet.

Have a function that prints out all the colors in the array.

Have a function that randomly pick One color from the array and cout's the color.

(Research Random number code)

Run your Code - Produce the correct output and Turn it in for credit

```
//
//  main.cpp
//  Week 5 Prog 4
//
//  Created by Pippo Pesic on 9/11/22.
//

#include <iostream>
#include <string>
```
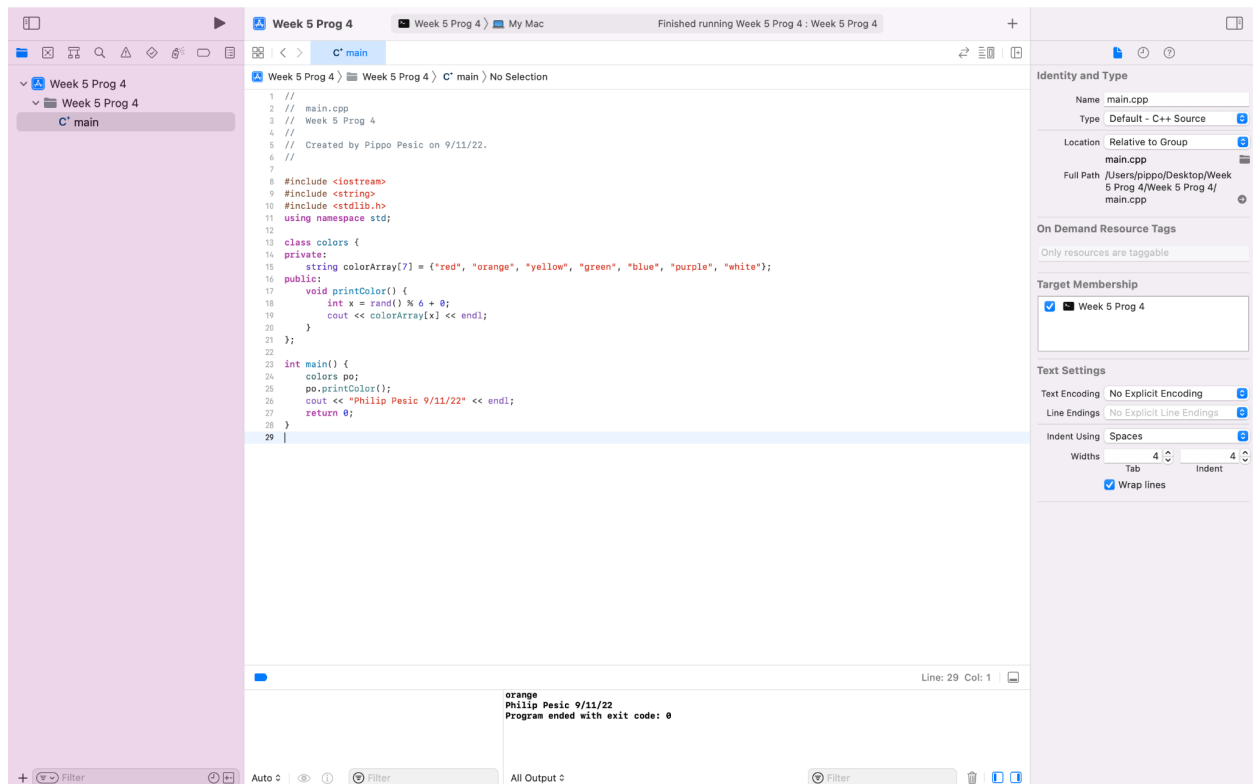
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```cpp
#include <stdlib.h>
using namespace std;

class colors {
private:
    string colorArray[7] = {"red", "orange", "yellow", "green", "blue", "purple", "white"};
public:
    void printColor() {
        int x = rand() % 6 + 0;
        cout << colorArray[x] << endl;
    }
};

int main() {
    colors po;
    po.printColor();
    cout << "Philip Pesic 9/11/22" << endl;
    return 0;
}
```


I learned: How to write my own class