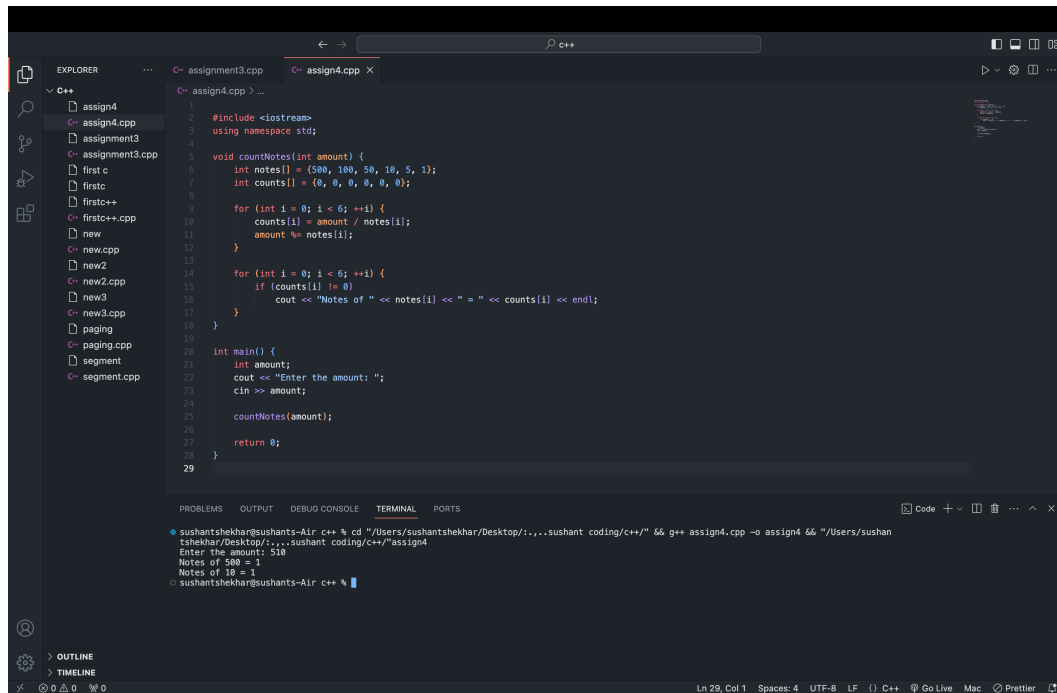


Assignment 2 -week2 -pw skill's

1. Write a program to count the minimum number of notes in a given amount using the switch statement. Input 1: 510
Output 1 : notes of "500" = 1 and notes of "10" = 1



```
1 #include <iostream>
2 using namespace std;
3
4 void countNotes(int amount) {
5     int notes[] = {500, 100, 50, 10, 5, 1};
6     int counts[] = {0, 0, 0, 0, 0, 0};
7
8     for (int i = 0; i < 6; ++i) {
9         counts[i] = amount / notes[i];
10        amount %= notes[i];
11    }
12
13    for (int i = 0; i < 6; ++i) {
14        if (counts[i] != 0)
15            cout << "Notes of " << notes[i] << " = " << counts[i] << endl;
16    }
17 }
18
19 int main() {
20     int amount;
21     cout << "Enter the amount: ";
22     cin >> amount;
23
24     countNotes(amount);
25
26     return 0;
27 }
28
29
```

Terminal Output:

```
sushantshekharsushants-Air c++ % cd "/Users/sushantshekharsushants/Desktop/...sushant coding/c++/" && g++ assign4.cpp -o assign4 && "/Users/sushantshekharsushants/Desktop/...sushant coding/c++/"assign4
Enter the amount: 510
Notes of 500 = 1
Notes of 10 = 1
```

2.

Predict the output:

```
#include<iostream>
```

```
using namespace std;
```

```
int main( ) {
    int a = 5, b, c ;
    b = a = 15 ;
    c = a < 15 ;
    cout << "a = " << a << " , b = " << b << " , c = " << c ;
    return 0;
}
```

Solution:-a = 15, b = 15, c = 0

3.

Predict the output:

```
#include<iostream>
```

```
using namespace std;
```

```
int main() {
    int x = 3 ;
    float y = 3.0 ;
    if (x == y)
```

```
cout << "x and y are equal" ;  
else  
cout << "x and y are not equal" ;  
return 0;  
}
```

Solution:- x and y are equal.

4.

Predict the output:

```
#include<iostream>  
using namespace std;  
  
int main(){  
    int test = 0;  
    cout << "First character " << '1' << endl;  
    cout << "Second character " << (test ? 3 : '1') << endl;  
    return 0;  
}
```

**Output:-First character 1
Second character 1**

5.

predict the output:

```
#include <iostream>  
using namespace std;  
int main(){  
    int a = 18; int b = 12;  
    bool t = (a > 20 && b < 15)? true : false;  
    cout << "Value of t: " << t ;  
    return 0;  
}
```

Output:-Value of t: 0

6.

predict the output:

```
#include <iostream>  
using namespace std;  
int main() {  
    int number = -4;  
    char result;  
    result = number > 0 ? 'P' : 'N';  
    cout << result << endl;  
    return 0;  
}
```

Output:-N

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