

CSCI110 – Fundamentals of Computer Science

MT SAC College

CSCI110

Lab #: \_\_\_\_\_1\_\_\_\_\_

Description: \_\_\_\_\_ Problem 1.6 pg 26 \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Due Date: \_\_\_\_\_6-23-2022\_\_\_\_\_

Name: \_\_\_\_\_Brandon Wu\_\_\_\_\_

Grade: \_\_\_\_\_Freshman\_\_\_\_\_

Notes: \_\_\_\_\_Used mac terminal\_\_\_\_\_

```
#include <iostream>
```

```
#include <cmath>
```

```
using namespace std;
```

```
int main()
```

```
{
```

```
    float principal;
```

```
    float interest = 1.05;
```

```
    float first_year;
```

```
    float second_year;
```

```
    float third_year;
```

```
    float fifth_year;
```

```
    cout << "Principal Amount: ";
```

```
    cin >> principal;
```

```
    first_year = principal * interest;
```

```
    second_year = first_year * interest;
```

```
    third_year = second_year * interest;
```

```
    fifth_year = principal * pow(interest, 5);
```

```
    cout << "Balance after first year: $" << first_year << endl;
```

```
    cout << "Balance after second year: $" << second_year << endl;
```

```
    cout << "Balance after third year: $" << third_year << endl;
```

```
    cout << "Balance after fifth year: $" << fifth_year << endl;
```

```
    system("pause");
```

```
    return 0;
```

```
}
```

```
Brandons-Air-2:Lab1 brandonwu$ cd "/Users/brandonwu/Project1/Lab1/" && g++ Lab1A.cpp -o Lab1A && "/Users/brandonwu/Project1/Lab1/"Lab1A
Principal Amount: 10000
Balance after first year: $10500
Balance after second year: $11025
Balance after third year: $11576.2
Balance after fifth year: $12762.8
sh: pause: command not found
Brandons-Air-2:Lab1 brandonwu$
```