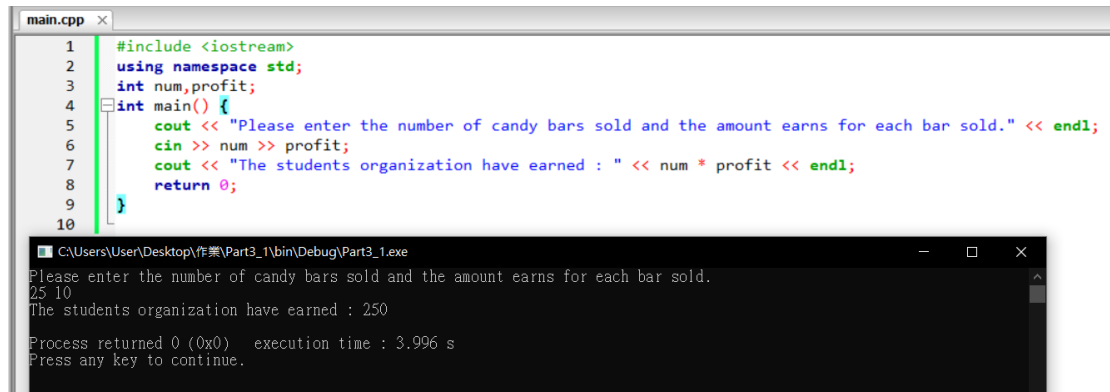


Part3 CodingResult

1.



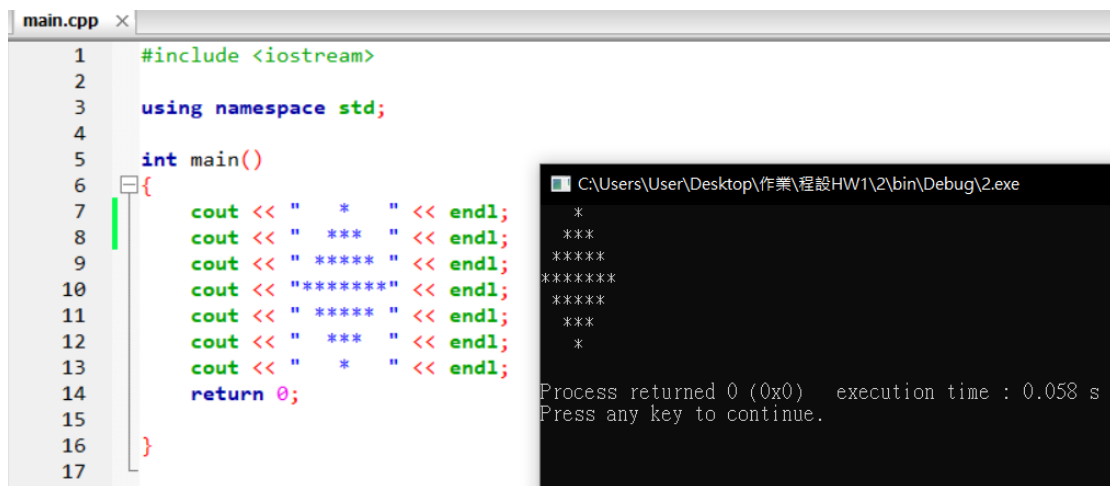
```
main.cpp x
1  #include <iostream>
2  using namespace std;
3  int num,profit;
4  int main() {
5      cout << "Please enter the number of candy bars sold and the amount earns for each bar sold." << endl;
6      cin >> num >> profit;
7      cout << "The students organization have earned : " << num * profit << endl;
8      return 0;
9  }
10
```

C:\Users\User\Desktop\作業\Part3_1\bin\Debug\Part3_1.exe

Please enter the number of candy bars sold and the amount earns for each bar sold.
25 10
The students organization have earned : 250

Process returned 0 (0x0) execution time : 3.996 s
Press any key to continue.

2.



```
main.cpp x
1  #include <iostream>
2
3  using namespace std;
4
5  int main()
6  {
7      cout << "  *  " << endl;
8      cout << " *** " << endl;
9      cout << " ***** " << endl;
10     cout << "*****" << endl;
11     cout << " ***** " << endl;
12     cout << " *** " << endl;
13     cout << "  *  " << endl;
14     return 0;
15 }
16
17
```

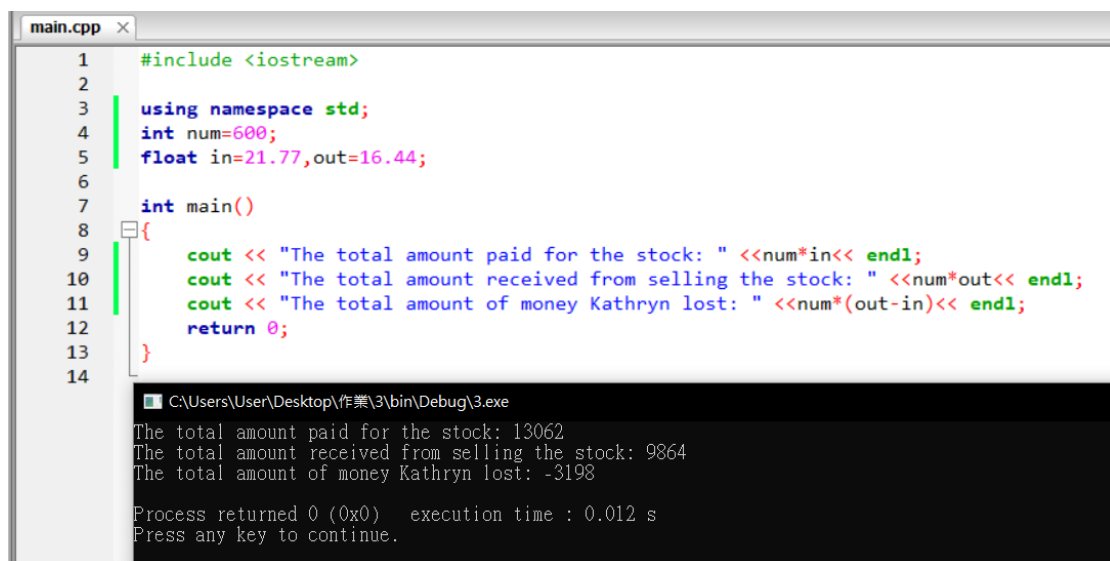
C:\Users\User\Desktop\作業\程設HW1\2\bin\Debug\2.exe

*

 *

Process returned 0 (0x0) execution time : 0.058 s
Press any key to continue.

3.



```
main.cpp x
1  #include <iostream>
2
3  using namespace std;
4  int num=600;
5  float in=21.77,out=16.44;
6
7  int main()
8  {
9      cout << "The total amount paid for the stock: " << num*in << endl;
10     cout << "The total amount received from selling the stock: " << num*out << endl;
11     cout << "The total amount of money Kathryn lost: " << num*(out-in) << endl;
12     return 0;
13 }
14
```

C:\Users\User\Desktop\作業\3\bin\Debug\3.exe

The total amount paid for the stock: 13062
The total amount received from selling the stock: 9864
The total amount of money Kathryn lost: -3198

Process returned 0 (0x0) execution time : 0.012 s
Press any key to continue.

4.

```
*main.cpp x
1  #include <iostream>
2  #include <iomanip>
3
4  using namespace std;
5  double num;
6  const double YEN_PER_DOLLAR=107.940,EUROS_PER_DOLLAR=0.899;
7
8  int main()
9  {
10     cout << setprecision(3);
11     cout << "Please enter the amount you want to convert (in US dollars): " ;
12     cin >> num;
13     cout << "Your amount from "<<right<< setw(10) <<fixed <<num <<" USD to :"<<endl;
14     cout <<right<<setw(50)<<fixed<<num*YEN_PER_DOLLAR<<" JPY"<<endl;
15     cout <<right<<setw(50)<<fixed<<num*EUROS_PER_DOLLAR<<" EUR"<<endl;
16     return 0;
17 }
18
```

C:\Users\User\Desktop\作業4\bin\Debug\4.exe

```
Please enter the amount you want to convert (in US dollars): 3987.654
Your amount from   3987.654 USD to :
                                     430427.373 JPY
                                     3584.901 EUR
```

5.

```
1  #include <iostream>
2  #include <iomanip>
3  #include <cmath>
4  using namespace std;
5  int N;
6  double Rate,L,sum,Payment;
7  int main()
8  {
9     cout << "What is the Amount of the loan? ";
10     cin >> L;
11     cout << "What is the monthly interest rate of the loan? (in %) ";
12     cin >> Rate;
13     cout << "Number of payments? ";
14     cin >> N;
15
16     Rate/=100;
17     Payment=(Rate * pow(1 + Rate, N) / (pow(1 + Rate, N) - 1)) * L;
18     Rate*=100;
19     cout<<setprecision(2)<<endl;
20     cout<<"Loan Amount: $ "<<left<<setw(10)<<fixed<<L<<endl;
21     cout<<"Monthly Interest Rate: "<<setprecision(0)<<fixed<<Rate<<"%"<<endl;
22     cout<<"Number of Payments: "<<N<<endl;
23     cout<<setprecision(2);
24     cout<<"Monthly Payment: $ "<<left<<setw(10)<<fixed<<Payment<<endl;
25     cout<<"Amount Paid Back: $ "<<left<<setw(10)<<fixed<<Payment*N<<endl;
26     cout<<"Interest Paid: $ "<<left<<setw(10)<<fixed<<Payment*N-L<<endl;
27     return 0;
28 }
29
```

C:\Users\User\Desktop\作業5\bin\Debug\5.exe

```
What is the Amount of the loan? 10000
What is the monthly interest rate of the loan? (in %) 1
Number of payments? 36

Loan Amount: $ 10000.00
Monthly Interest Rate: 1%
Number of Payments: 36
Monthly Payment: $ 332.14
Amount Paid Back: $ 11957.15
Interest Paid: $ 1957.15

Process returned 0 (0x0)   execution time : 5.048 s
Press any key to continue.
```