```
cout << "2- The Chinese Remainder Theorem.\n";
cout << "3- Find an inverse of a modulo b.\n\n";
cout << "The number:";
int number;
cin >> number;
cout << "\n"he question is (Find the prime factorization).\n\n";
int m;
cout << "\nThe question is (Find the prime factorization).\n\n";
int m;
cout << "\nThe question is (Find the prime factorization).\n\n";
int m;
cout << "\nThe question is (Find the prime factorization).\n\n";
int m;
cout << "\nThe question is (Find the prime factorization).\n\n";
cin >> nn;
PrimeF(Q[1n]);
break;

case 2: cout << "\nThe question is (The Chinese Remainder Theorem).\n";
chinese(Q2a,Q2b);
break;

Inv(Q3[1],Q3[2]);
break;
}
```

```
📈 File Edit View Project Build Debug Test Analyze Tools Extensions Window Help
O . Microsoft Visual Studio Debug Console

Please write the name of file:
 Output file1
      .....THE LIST.....
Show or
 Build
 1>----
         Please enter the number:
 1>HW1.1- Find the prime factorization.
       - The Chinese Remainder Theorem.
      - Find an inverse of a modulo b.
     The number:1
     The question is (Find the prime factorization).
      which the num of value of the group of num in the file? 2
     The rime Factor is=22
      ::\Users\DELL\source\repos\HW1.Discrete\Debug\HW1.Discrete.exe
      Press any key to close this window . . .
```

```
luild
                               ▼ | 을 | 을 | 발 | **
    Microsoft Visual Studio Debug Console

Please write the name of file:
   file1
     .....THE LIST.....
       Please enter the number:
    L- Find the prime factorization.
2- The Chinese Remainder Theorem.
    - Find an inverse of a modulo b.
   The number:2
    The question is (The Chinese Remainder Theorem).
    Enter the number of equations=3
    M = 1089
    md0= 33
    d1= 363
    d2= 99
    nd0 The inverse is= 0
    d1 The inverse is= 0
    nd2 The inverse is= 00=0+(2*33*0)0=0+(22*363*0)0=0+(55*99*0)
```

