

## Chapter-2

### **Exercise 2:**

```
#include<iostream>
#include<iomanip>
using namespace std;
int main()
{
    int a[100],b[100],i,n;
    cin>>n;
    for(i=1; i<=n; i++)
    {
        cin>>a[i]>>b[i];
    }

    for(i=1; i<=4; i++)
    {
        cout<<setw(8)<<a[i]<<setw(12)<<b[i]<<endl;
    }

    return 0;
}
```

### Exercise 3:

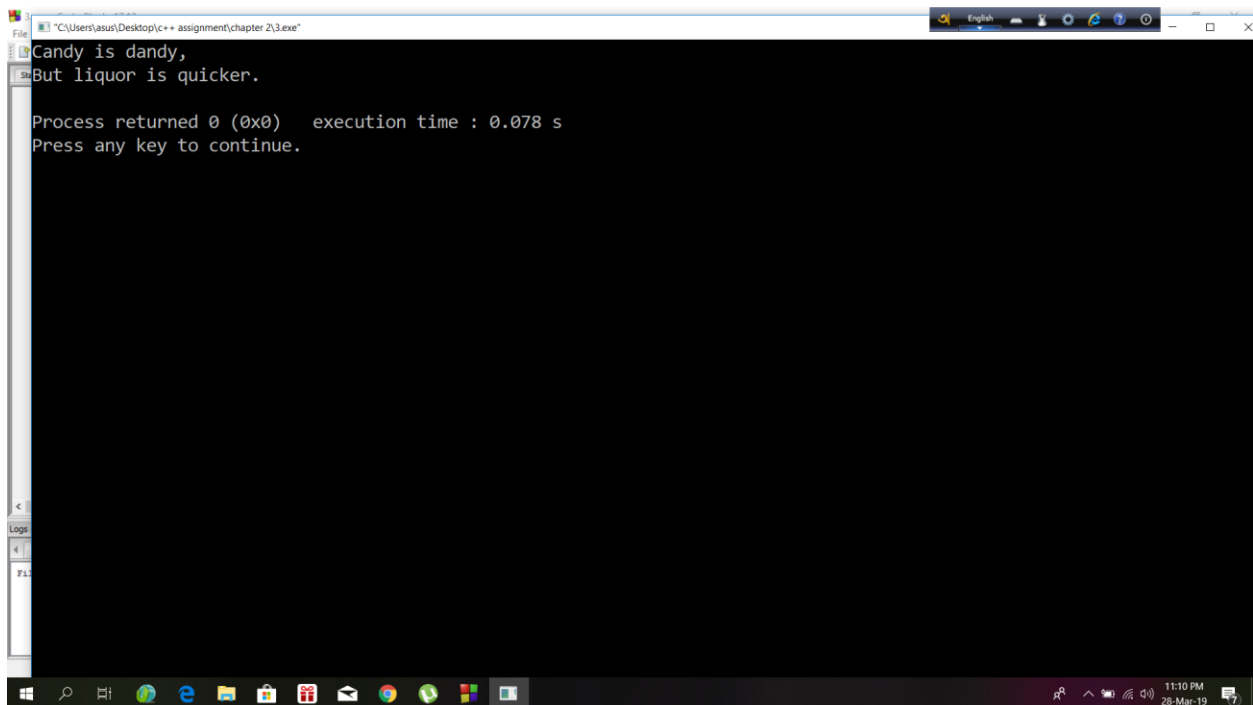
```
#include<iostream>

using namespace std;

int main()
{

    cout<<"Candy is dandy,\n";
    cout<<"But liquor is quicker."<<endl;

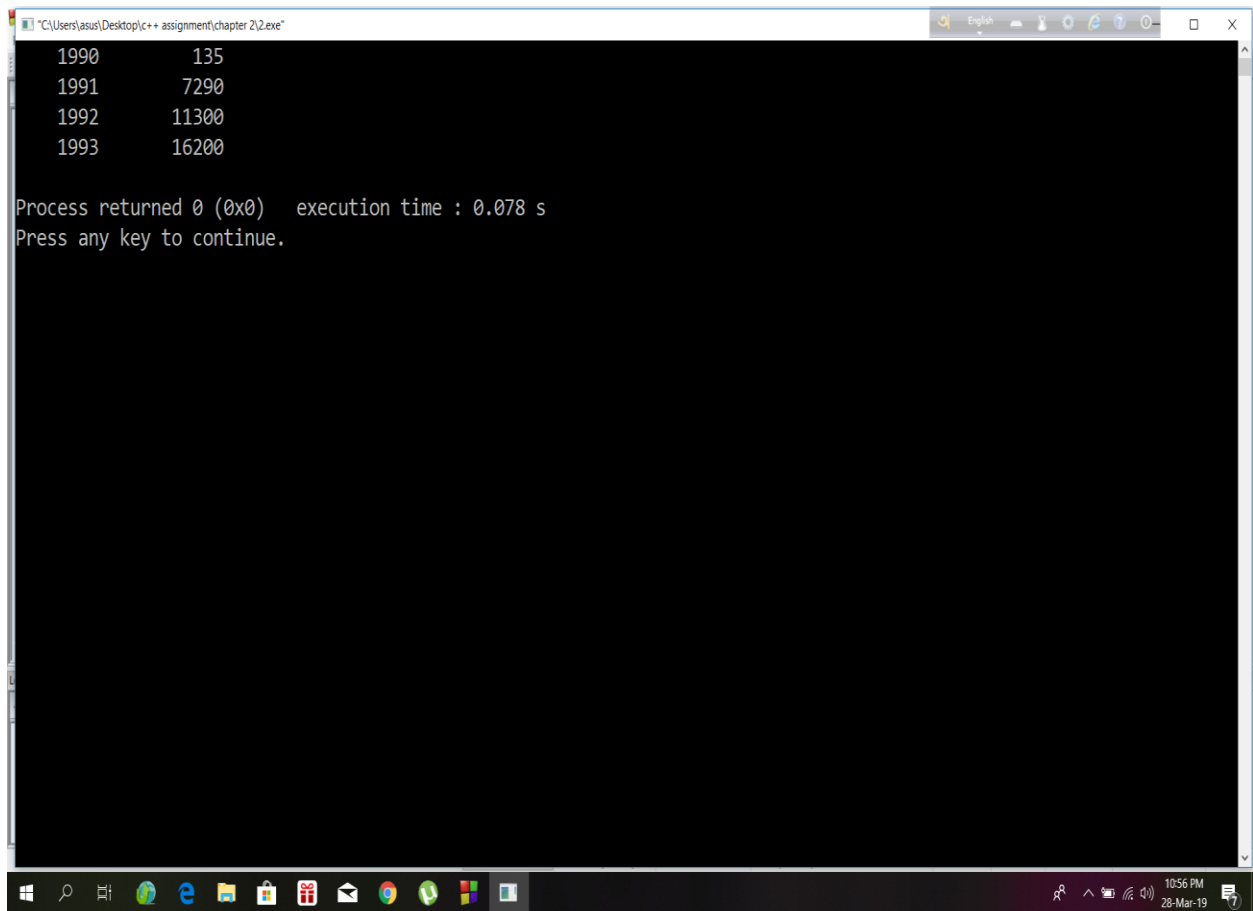

    return 0;
}
```



The screenshot shows a Windows command prompt window titled "C:\Users\jasus\Desktop\c++ assignment\chapter 2\3.exe". The window displays the output of the C++ program: "Candy is dandy," followed by "But liquor is quicker." on a new line. Below the output, it shows "Process returned 0 (0x0) execution time : 0.078 s" and "Press any key to continue." The window has a standard Windows taskbar at the bottom with various application icons and a system clock showing 11:10 PM on 28-Mar-19.

```
"C:\Users\asus\Desktop\c++ assignment\chapter 2\2.exe"
1990      135
1991      7290
1992     11300
1993     16200

Process returned 0 (0x0)   execution time : 0.078 s
Press any key to continue.
```



## Exercise 6:

```
#include<iostream>

#include<iomanip>

using namespace std;

int main()

{ float br,fr,gr,jp,input;

  cout<<"Enter an amount in dollars\n";

  cin>>input;

  br=(input/1.487);

  fr=(input/0.172);

  gr=(input/0.584);

  jp=(input/0.00955);

  cout<<setw(8)<<"British pound"<<setw(16)<<br<<endl;

  cout<<setw(8)<<"French Franc " <<setw(16)<<fr<<endl;

  cout<<setw(8)<<"German deutsch"<<setw(16)<<gr<<endl;

  cout<<setw(8)<<"Japanese yen " <<setw(16)<<jp<<endl;

  return 0;

}
```

```
6.exe - Code::Blocks 17.12
"C:\Users\asus\Desktop\c++ assignment\chapter 2\6.exe"
Enter an amount in dollars
12
British pound      8.06994
French Franc       69.7674
German deutsch     20.5479
Japanese yen       1256.54

Process returned 0 (0x0)   execution time : 2.343 s
Press any key to continue.

```

**Exercise 8:**

```
#include<iostream>

#include<iomanip>

using namespace std;

int main()
{
    int p1 = 2425785, p2 = 12344, p3=909;

    cout<<endl;
    cout<<setfill('.')

        <<setw(8)<<"Location " <<setw(12)<< "population"<<"\n"
        <<setw(8)<<"Portcity " <<setw(12)<<p1<<"\n"
        <<setw(8)<<"Hightown " <<setw(12)<<p2<<"\n"
        <<setw(8)<<"Lowville " <<setw(12)<<p3<<"\n";

    return 0;
```

```
}  
  
0.cpp - Code::Blocks 17.12  
File Edit Shell View Settings Help  
"C:\Users\jasus\Desktop\c++ assignment\chapter 2\8.exe"  
Step Through  
Location ..population  
Portcity .....2425785  
Hightown .....12344  
Lowville .....909  
  
Process returned 0 (0x0)   execution time : 0.078 s  
Press any key to continue.  
_
```

### Exercise 10:

```
#include<iostream>
```

```
#include<iomanip>
```

```
using namespace std;
```

```
int main()
```

```
{
```

```
    double pounds ,decimal_pounds,shillings,pence ;
```

```
    cout<< " \nEnter Pounds:";
```

```
    cin>> pounds;
```

```
    cout<< " \nEnter Sillings:";
```

```
    cin>>shillings;
```

```
cout<< " \nEnter Pence:";
```

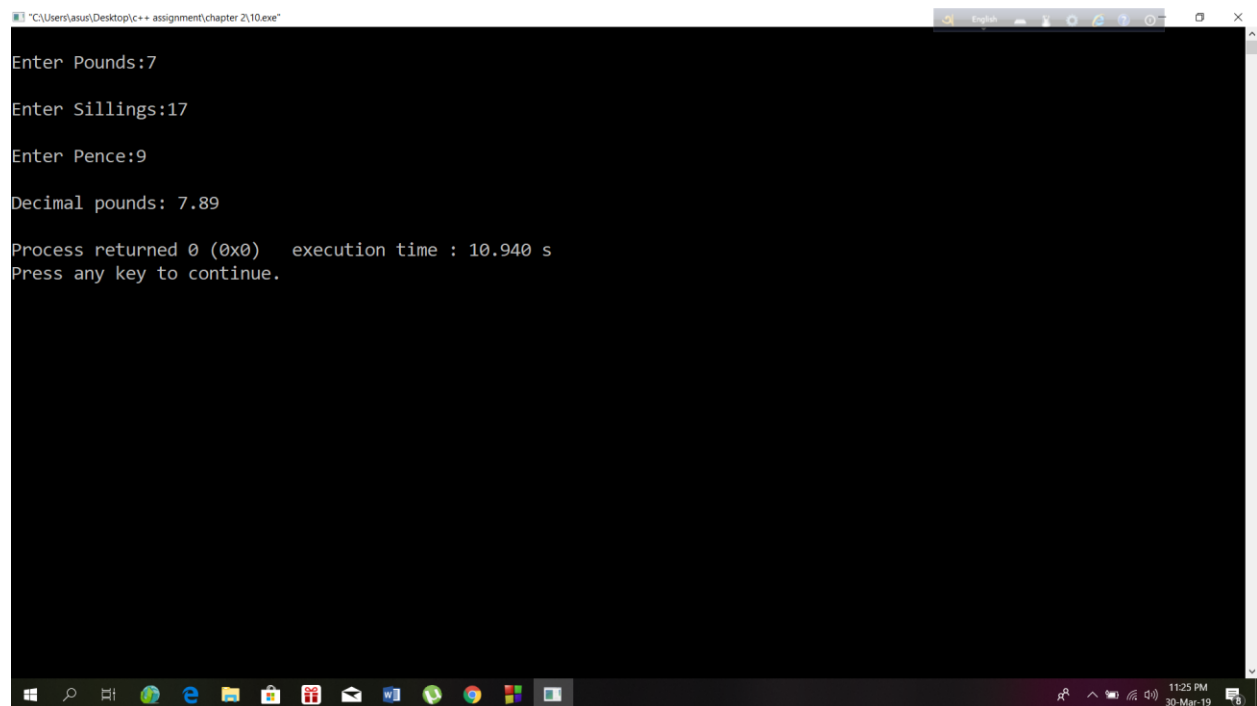
```
cin>>pence;
```

```
decimal_pounds= pounds+ (shillings/20) + (pence/240);
```

```
cout<< " \nDecimal pounds: "<<setprecision(3)<<decimal_pounds<<endl;
```

```
return 0;
```

```
}
```



The screenshot shows a Windows command prompt window titled "C:\Users\asus\Desktop\c++ assignment\chapter 2\10.exe". The program prompts the user to enter Pounds, Shillings, and Pence. The user enters 7 for Pounds, 17 for Shillings, and 9 for Pence. The program outputs "Decimal pounds: 7.89". Below the output, it shows "Process returned 0 (0x0) execution time : 10.940 s" and "Press any key to continue." The Windows taskbar is visible at the bottom with various application icons and a system clock showing 11:25 PM on 30-Mar-19.

```
"C:\Users\asus\Desktop\c++ assignment\chapter 2\10.exe"
Enter Pounds:7
Enter Shillings:17
Enter Pence:9
Decimal pounds: 7.89
Process returned 0 (0x0) execution time : 10.940 s
Press any key to continue.
```



**Exercise 12:**

```
#include<iostream>

#include<iomanip>

using namespace std;

int main()
{
    int pounds,shillings,pence;
    double decPounds,decFraction,temp;
    cout<< " Enter Decimal Pounds :";
    cin>> decPounds;
    cout<<endl;

    pounds = static_cast<int>(decPounds);
    decFraction = decPounds - pounds;
    temp =decFraction*20;
    shillings = decFraction*20;
    pence = (temp-shillings)*12;
    cout<< " Equivalent in old notation = "
        <<pounds<< "."<<shillings<< "."<<pence<<endl ;

    return 0;
}
```

```
"C:\Users\asus\Desktop\c++ assignment\chapter 2\12.exe"
Enter Decimal Pounds :3.51

Equivalent in old notation = 3.10.2

Process returned 0 (0x0)   execution time : 10.331 s
Press any key to continue.
```













































































