計算機程式語言

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Write a program that accepts a date from the user in the form mm/dd/yyy and then dis-plays it in the from yyyymmdd:

```
Enter a date (mm/dd/yyy): 2/17/2011
You entered the date 20110217
```

```
C chap3_1.c
    #include <stdio.h>
2
    int main(void) {
        int year, month, day;
        printf("Enter a date (mm/dd/yyyy): ");
        scanf(""", "", "");
        printf("You entered the date "\n", "");
        return 0;
}
```

Write a program that formats product information entered by the user. A session with the program should look like this:

Enter item number: 583

Enter unit price: 13.5

Enter purchase date (mm/dd/yyyy): 10/24/2010

 Item
 Unit
 Purchase

 Price
 Date

 583
 \$ 13.50
 10/24/2010

The item number and date should be left justified; the unit price should be right justified. Allow dollar amounts up to \$9999.99.

Hint: Use tabs to line up the columns.

Solution

```
11
     int main(void)
16 - {
         int item_number, month, day, year;
18
         float unit_price;
         printf("Enter item number : \n");
20
21
         scanf("%d", &item_number);
23
         printf("Enter unit_price : \n");
         scanf("%f",
         printf("Enter purchase date : (mm/dd/yyyy)\n");
         scanf("%d/%d/%d", &month, &day, &year);
28
         printf("\nItem\t\tUnit\t\tPurchase\n");
         printf("\t\tPrice\t\tDate\n");
         printf(
         return 0;
```

Write a program that prompts the user to enter a telephone number in the form (xxx) xxx-xxxx and then displays the number in the form xxx.xxx.xxx:

Enter phone number [(xxx) xxx-xxxx]:(404) 817-6900

You entered 404.817.6900

Solution

```
#include <stdio.h>

#include <stdio.h>

int main(void)

int area_code, prefix, number;
float unit_price;

printf("Enter phone number [(xxx) xxx-xxxx]: ");
scanf(
printf(
```

Modify the addfrac. c program of Section 3.2 so that the user enters both fractions at the same time, separated by a plus sign:

Enter two fractions separated by a plus sign: 5/6+3/4The sum is 38/24

(不必約分)

Solution