

3.

```

1.Bagel: 10
2.Cake: 20
3.Croissant: 30
4.Toast: 40
Input your value of voucher:100
Which item you want? 1

The price of item which you buy:10
You still have value of voucher:90

Which item you want? 2

The price of item which you buy:20
You still have value of voucher:70

Which item you want? 3

The price of item which you buy:30
You still have value of voucher:40

Which item you want? 4

The price of item which you buy:40
You still have value of voucher:0

You don't have enough value of voucher to buy anything.

```

7.

```

Input pound:50
Input ounces:20
Weight: 23kg and 246.848g

keep calculating?yes/no
yes
Input pound:50
Input ounces:16
Weight: 23kg and 133.448g

keep calculating?yes/no
no

```

8.

```

Input Weight<kg>:2.2046
Input Weight<g>:22046
Weight: 53 pound and 7.40594 ounces

keep calculating?yes/no
yes
Input Weight<kg>:1
Input Weight<g>:1000
Weight: 4 pound and 6.5472 ounces

keep calculating?yes/no
no

```

9.

```
If you want conver pound and ounces to kg and g,enter 1
If you want conver kg and g to pound and ounces,enter 2
1
Input pound:50
Input ounces:16
Weight: 23kg and 133.448g

keep calculating?yes/no
yes
If you want conver pound and ounces to kg and g,enter 1
If you want conver kg and g to pound and ounces,enter 2
2
Input Weight<kg>:1
Input Weight<g>:1000
Weight: 4 pound and 6.5472 ounces

keep calculating?yes/no
no
```

14.

```
Please input start time and end time : 0000 2359
The time difference between 0 and 2359 is 1439 minutes.
Please input start time and end time : 00 2361
The time is error
Please input start time and end time : 0000 2300
The time difference between 0 and 2300 is 1380 minutes.
```

17.

```
Average is 9780
Please enter player's name:Ronado
The player is not found in the file.
Please enter player's name:Ronaldo
Ronaldo : 10400 is higher than average
Please enter player's name:Didier
Didier : 9800 is higher than average
Please enter player's name:Pele
Pele : 12300 is higher than average
Please enter player's name:Kaka
Kaka : 8400 is below than average
Please enter player's name:Cristiano
Cristiano : 8000 is below than average
Please enter player's name:^C
```

Ch5

4.

```
Please input the string : bread, butter, and jamon your plate
Vowel    Count
a         4
e         3
i         0
o         2
u         2
```

8.

```
For 2 people, the probability of two birthdays is about 0.0029
For 3 people, the probability of two birthdays is about 0.0086
For 4 people, the probability of two birthdays is about 0.0188
For 5 people, the probability of two birthdays is about 0.0257
For 6 people, the probability of two birthdays is about 0.042
For 7 people, the probability of two birthdays is about 0.0551
For 8 people, the probability of two birthdays is about 0.0732
For 9 people, the probability of two birthdays is about 0.092
For 10 people, the probability of two birthdays is about 0.1131
For 11 people, the probability of two birthdays is about 0.1478
For 12 people, the probability of two birthdays is about 0.171
For 13 people, the probability of two birthdays is about 0.1956
For 14 people, the probability of two birthdays is about 0.2234
For 15 people, the probability of two birthdays is about 0.2502
For 16 people, the probability of two birthdays is about 0.2856
For 17 people, the probability of two birthdays is about 0.3093
For 18 people, the probability of two birthdays is about 0.3482
For 19 people, the probability of two birthdays is about 0.3696
For 20 people, the probability of two birthdays is about 0.4192
For 21 people, the probability of two birthdays is about 0.4468
For 22 people, the probability of two birthdays is about 0.4839
For 23 people, the probability of two birthdays is about 0.5041
For 24 people, the probability of two birthdays is about 0.5386
For 25 people, the probability of two birthdays is about 0.5655
For 26 people, the probability of two birthdays is about 0.5914
For 27 people, the probability of two birthdays is about 0.6286
For 28 people, the probability of two birthdays is about 0.6591
For 29 people, the probability of two birthdays is about 0.6874
For 30 people, the probability of two birthdays is about 0.7043
For 31 people, the probability of two birthdays is about 0.7359
For 32 people, the probability of two birthdays is about 0.7508
For 33 people, the probability of two birthdays is about 0.7816
For 34 people, the probability of two birthdays is about 0.7931
For 35 people, the probability of two birthdays is about 0.8195
For 36 people, the probability of two birthdays is about 0.8289
For 37 people, the probability of two birthdays is about 0.8482
For 38 people, the probability of two birthdays is about 0.8729
For 39 people, the probability of two birthdays is about 0.8774
For 40 people, the probability of two birthdays is about 0.8941
For 41 people, the probability of two birthdays is about 0.9002
For 42 people, the probability of two birthdays is about 0.9149
For 43 people, the probability of two birthdays is about 0.9243
For 44 people, the probability of two birthdays is about 0.9307
For 45 people, the probability of two birthdays is about 0.9425
For 46 people, the probability of two birthdays is about 0.9498
For 47 people, the probability of two birthdays is about 0.9516
For 48 people, the probability of two birthdays is about 0.9602
For 49 people, the probability of two birthdays is about 0.9659
For 50 people, the probability of two birthdays is about 0.9708
```

10.

```
Code    Flavor
1       Chocolate
2       Vanilla
3       Strawberry
4       Raspberry
5       Butterscotch
The products remain in the stock
1       20
2       15
3       15
4       20
5       20
Choice you like:Chocolate 3
Continue Choice?(Y/N)Y
The products remain in the stock
1       17
2       15
3       15
4       20
5       20
Choice you like:Strawberry 15
Continue Choice?(Y/N)Y
The products remain in the stock
1       17
2       15
3       0
4       20
5       20
Choice you like:Raspberry 2
Continue Choice?(Y/N)Y
The products remain in the stock
1       17
2       15
3       0
4       18
5       20
Choice you like:Strawberry 1
The Strawberry is not enough.
Continue Choice?(Y/N)N
The user's cart
      Chocolate      3
      Strawberry    15
      Raspberry     2
```

14.

```
Enter a movie to rate (100-105).
102
Enter rating (1-5) for this movie.
5
Enter a movie to rate (100-105).
104
Enter rating (1-5) for this movie.
2
Enter a movie to rate (100-105).
105
Enter rating (1-5) for this movie.
5
The closest reviewer is number 0
Predictions for movies you have not yet seen:
Movie 100 : Predicted Rating = 3
Movie 101 : Predicted Rating = 1
Movie 103 : Predicted Rating = 2
```

17. 開檔檔名統一使用 **Data.txt**，請自行創建至少一百組數字，數值大小不拘的 **TXT** 檔，檔案內容的儲存格式不拘，提供的 **Data.txt** 檔為 **sample** 輸出後的樣式，僅供參考。

```
0      45.5446
1      19.802
2      14.8515
3      7.92079
4      0
5      6.93069
6      0
7      2.9703
8      0
9      1.9802
```