

## CH1

6.

```
Distance and Time:10 5
Total:8.00
```

8.

```
This program makes a rough estimate for square roots.
Enter an integer to estimate the square root of:
97
The estimated square root of 97 is 9.85
```

13.

```
How many milligrams of caffeine in the drink?
50
The number of drinks it will take to kill someone is 200 drinks.
```

## CH2

2.

```
deposit:1000
Rate:0.015
Fixed amount withdrawn every month:50
months  interest      principal
1          15.00        965.00
2          14.47        929.48
3          13.94        893.42
4          13.40        856.82
5          12.85        819.67
6          12.30        781.97
7          11.73        743.70
8          11.16        704.85
9          10.57        665.42
10         9.98         625.40
11         9.38         584.79
12         8.77         543.56
13         8.15         501.71
14         7.53         459.24
15         6.89         416.13
16         6.24         372.37
17         5.59         327.95
18         4.92         282.87
19         4.24         237.11
20         3.56         190.67
21         2.86         143.53
22         2.15          95.68
23         1.44          47.12
number of payments = 24 last months interest = 0.71 last payment = 47.83
```

4.

```
3 is a prime number.  
5 is a prime number.  
7 is a prime number.  
11 is a prime number.  
13 is a prime number.  
17 is a prime number.  
19 is a prime number.  
23 is a prime number.  
29 is a prime number.  
31 is a prime number.  
37 is a prime number.  
41 is a prime number.  
43 is a prime number.  
47 is a prime number.  
53 is a prime number.  
59 is a prime number.  
61 is a prime number.  
67 is a prime number.  
71 is a prime number.  
73 is a prime number.  
79 is a prime number.  
83 is a prime number.  
89 is a prime number.  
97 is a prime number.
```

7.

```
Input the number of subjects:3  
Score received for subjects 1 :S  
Score received for subjects 2 :F  
Score received for subjects 3 :A  
The average of the grade points 6.33
```

8.

```
The temperature is the same at -40
```

### CH3

1.

```
Bit rate:12000  
The duration in minutes of a video clip:2.8  
The file size of the video clip in megabytes:252
```

5.

```
Give me your height in inches, weight in pounds, and age in years  
and I will give you your hat size, jacket size(inches at chest)  
and your waist size in inches.  
69 132 19  
hat size = 5.55  
jacket size = 31.62  
waist size = 23.16  
  
enter Y or y to repeat this calculation, any other character ends.  
Y  
Give me your height in inches, weight in pounds, and age in years  
and I will give you your hat size, jacket size(inches at chest)  
and your waist size in inches.  
60 110 20  
hat size = 5.32  
jacket size = 22.92  
waist size = 19.30  
  
enter Y or y to repeat this calculation, any other character ends.
```

10.

```
Enter the gender of your future child. Use 1 for female, 0 for male.  
0  
Enter the height in feet and inches of the mom.  
5 3  
Enter the height in feet and inches of the dad.  
5 10  
Your future child is estimated to grow to 5 feet and 9 inches.
```

11.

```
It's your turn! Enter 'r' to roll.  
r  
You rolled 5  
Your score this round is: 5  
If you hold, your total score would be: 5  
Press 'h' to hold or 'r' to roll again.  
h  
It's the computer's turn!  
The computer rolled 6  
The computer's score this round is: 6  
If the computer holds, its total score would be: 6  
The computer rolled 4  
The computer's score this round is: 10  
If the computer holds, its total score would be: 10  
The computer rolled 4  
The computer's score this round is: 14  
If the computer holds, its total score would be: 14  
The computer rolled 5  
The computer's score this round is: 19  
If the computer holds, its total score would be: 19  
The computer rolled 4  
The computer's score this round is: 23  
If the computer holds, its total score would be: 23  
The computer holds. Enter 'c' to continue.  
c  
It's your turn! Enter 'r' to roll.
```



(中間省略)

```
Press 'h' to hold or 'r' to roll again.  
r  
You rolled 6  
Your score this round is: 12  
If you hold, your total score would be: 17  
Press 'h' to hold or 'r' to roll again.  
r  
You rolled 4  
Your score this round is: 16  
If you hold, your total score would be: 21  
Press 'h' to hold or 'r' to roll again.  
r  
You rolled 2  
Your score this round is: 18  
If you hold, your total score would be: 23  
Press 'h' to hold or 'r' to roll again.  
r  
You rolled 5  
Your score this round is: 23  
If you hold, your total score would be: 28  
Press 'h' to hold or 'r' to roll again.  
h  
It's the computer's turn!
```

(中間省略)

```
You lose your turn. Enter 'c' to continue.  
c  
It's the computer's turn!  
The computer rolled 6  
The computer's score this round is: 6  
If the computer holds, its total score would be: 94  
The computer rolled 4  
The computer's score this round is: 10  
If the computer holds, its total score would be: 98  
The computer rolled 5  
The computer's score this round is: 15  
If the computer holds, its total score would be: 103  
The computer holds. Enter 'c' to continue.  
c  
Sorry, the computer won.
```

13.

```
The four winners are:  
21 7 13 6
```