```
1.
```

```
1
              #include<stdio.h>
         2
              int main() {
         3
                  float f:
         4
                  printf("Enter a floating-point value:");
         5
                  scanf("%f",&f);
                  printf("fixed-point notation:%f\n",f);
         6
                  printf("exponential notation:%e\n",f);
         7
         8
         9
              }
        10
             sunkai@sunkaideMacBook-Pro T % cd "/
               le && "/var/folders/bm/zgg2yp0d5rv5t
               Enter a floating-point value:45.465
               fixed-point notation:45.465000
               exponential notation:4.546500e+01
           #include<stdio.h>
      1
2.
           int main() {
       2
       3
                char f:
       4
                printf("pls enter an ASCII value:");
       5
                scanf("%d",&f);
                printf("the character to the ASCII value is:%c\n",f);
       6
       7
      8
                 pls enter an ASCII value:97
       9
                 the character to the ASCII value is:a
        #include<stdio.h>
         int main() {
             int quart=950;
             double M=3e-23;
3.
             double d;
             printf("enter the amount of water in quart:");
             scanf("%lf",&d);
             d=d*M*quart;
             printf("%e",d);
               sunkai@sunkaideMacBook-Pro T % cd "/va
                 le && "/var/folders/bm/zgg2yp0d5rv5tkc
                 enter the amount of water in quart:1
                 2.850000e-20
```

```
1
     #include<stdio.h>
 2
     int main() {
 3
         int quart=950;
 4
         double M=3e-23;
 5
         float b,t,s;
 6
         printf("plz enter the file size in megabytes:");
 7
         scanf("%f",&b);
         printf("plz enter the download speed in megabit:");
 8
9
         scanf("%f",&s);
10
         t=b/s*8.0;
         printf("At %g megabits per second, a file of %g megabytes downloads in %.2f seconds. ",s,b,t);
11
12
13
```

• sunkai@sunkaideMacBook-Pro T % cd "/var/folders/bm/zgg2yp0d5rv5tkc4bm2prss80000gn/T/le && "/var/folders/bm/zgg2yp0d5rv5tkc4bm2prss80000gn/T/"tempCodeRunnerFile plz enter the file size in megabytes:2.20 plz enter the download speed in megabit:18.12 At 18.12 megabits per second, a file of 2.2 megabytes downloads in 0.97 seconds.

```
5.
```

```
#include<stdio.h>
 1
 2
      int main() {
 3
          char c = '\1';
 4
          short s = 2;
                                        sunkai@sunkaideMacBook-Pro
                                          le && "/var/folders/bm/zgg
          int i = -3;
 5
          long m = 5;
 6
                                          6.500000
          float f = 6.5f;
 7
                                          -1.000000
          double d = 7.5;
 8
                                          3.750000
 9
          printf("%d\n",c*i);
                                          6
10
          printf("%f\n",f/c);
          printf("%lf\n",f-d);
11
          printf("%ld\n",s+m);
12
13
          printf("%lf\n",d/s);
14
          printf("%d\n",(int)f);
      }
15
```

```
6.
          1
               #include<stdio.h>
          2
               int main() {
                   int a,b;
          3
          4
                   char c;
                   printf("Enter a 12-hour time:");
          5
                   scanf("%d:%d %c",&a,&b,&c);
          6
                   a=(c==65)?(a):(a+12);
          7
                   printf("Equivalent 24-hour time:%d:%d\n",a,b);
          8
          9
               }
```

 sunkai@sunkaideMacBook-Pro T % ( le && "/var/folders/bm/zgg2yp0d! Enter a 12-hour time:9:11 PM Equivalent 24-hour time:21:11