1.

```
1    #include<stdio.h>
2    int main() {
3        float f;
4        printf("Enter a floating-point value:");
5        scanf("%f",&f);
6        printf("fixed-point notation:%f\n",f);
7        printf("exponential notation:%e\n",f);
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

2.

```
1    #include<stdio.h>
2    int main() {
3        char f;
4        printf("pls enter an ASCII value:");
5        scanf("%d",&f);
6        printf("the character to the ASCII value is:%c\n",f);
7
8    }
9        pls enter an ASCII value:97
         the character to the ASCII value is:a
```

3.

```
#include<stdio.h>
int main() {
    int quart=950;
    double M=3e-23;
    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%

4.

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

5.

```c
#include<stdio.h>
int main() {
    char c = '\1';
    short s = 2;
    int i = -3;
    long m = 5;
    float f = 6.5f;
    double d = 7.5;
    printf("%d\n",c*i);
    printf("%f\n",f/c);
    printf("%lf\n",f-d);
    printf("%ld\n",s+m);
    printf("%lf\n",d/s);
    printf("%d\n",(int)f);
}
```

6.

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

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