

1.

```
1  #include <stdio.h>
2  int main(){
3      int s;
4      char a='A';
5      printf("enter your score:");
6      scanf("%d",&s);
7      s=s/10;
8      /*
9      if (s>=9)
10         a=a+0;
11     else if(s==8)
12         a+=1;
13     else if(s==7)
14         a+=2;
15     else if(s==6)
16         a+=3;
17     else
18         a+=4;
19     */
20     switch(s){
21     case 10:
22     case 9:
23         a+=0;
24         break;
25     case 8:
26         a+=1;
27         break;
28     case 7:
29         a+=2;
30         break;
31     case 6:
32         a+=3;
33         break;
34     default:
35         a+=4;
36     }
37     printf("Your score is %c",a);
38     return 0;
39 }
```

```
● sunkai@sunkaideMacBoc
  tempCodeRunnerFile &
  enter your score:95
  Your score is A%
● sunkai@sunkaideMacBoc
  tempCodeRunnerFile &
  enter your score:59
  Your score is E%
● sunkai@sunkaideMacBoc
```

2.

```
1  a. (a>=90&&a<100)
2  b. (ch!='q'&&ch!='k')
3  c. (c>=a&&c<=9&&c!=5)
4  d. (c<1 || c>9)
```

3.

```
1  #include<stdio.h>
2  int main(){
3      int t;
4      double g,tax;
5      printf("please enter your work time:");
6      scanf("%d",&t);
7      if(t<=40)
8          g=10*t;
9      else
10         g=400+15*(t-40);
11     if(g<=300)
12         tax=0.15*g;
13     else if(g>300&&g<=450)
14         tax=45+0.2*(g-300);
15     else
16         tax=45+30+0.25*(g-450);
17     printf("gross pay=%lf\ntaxes=%lf\nnet pay=%lf\n",g,tax,g-tax);
18
19
20 }
```

```
● sunkai@sunkaideMacBook-Pro T % cd
tempCodeRunnerFile && "/var/fold
please enter your work time:48
gross pay=520.000000
taxes=92.500000
net pay=427.500000
```

4.(string.h没用到)

```
1  #include<stdio.h>
2  #include<string.h>
3  void dig(int m){//个位
4      switch(m){
5          case 0:
6              break;
7          case 1:
8              printf("-one");
9              break;
10         case 2:
11             printf("-two");
12             break;
13         case 3:
14             printf("-three");
15             break;
16         case 4:
17             printf("-four");
18             break;
19         case 5:
20             printf("-five");
21             break;
22         case 6:
23             printf("-six");
24             break;
25         case 7:
26             printf("-seven");
27             break;
28         case 8:
29             printf("-eight");
30             break;
31         case 9:
32             printf("-nine");
33             break;
34     }
35 }
```

- sunkai@sunkaideMacBook-Pro T % cd "/var/folders/bm/zgg2yp0d5rv5tkc4bm
Enter a two-digit number:95
You entered the number ninty-five%
- sunkai@sunkaideMacBook-Pro T % cd "/var/folders/bm/zgg2yp0d5rv5tkc4bm
Enter a two-digit number:14
You entered the number fourteen%

```
36  int main(){
37      int num,td,od;
38      printf("Enter a two-digit number:");
39      scanf("%d",&num);
40      printf("You entered the number ");
41      td=num/10;
42      od=num%10;
43      switch(td){//十位
44          case 1:
45              switch(od){
46                  case 0:
47                      printf("ten");
48                      break;
49                  case 1:
50                      printf("eleven");
51                      break;
52                  case 2:
53                      printf("twelve");
54                      break;
55                  case 3:
56                      printf("thirteen");
57                      break;
58                  case 4:
59                      printf("fourteen");
60                      break;
61                  case 5:
62                      printf("fifteen");
63                      break;
64                  case 6:
65                      printf("sixteen");
66                      break;
67                  case 7:
68                      printf("seventeen");
69                      break;
70                  case 8:
71                      printf("eighteen");
72                      break;
73                  case 9:
74                      printf("nineteen");
75                      break;
76              }
77              break;
78          case 2:
79              printf("twenty");
80              dig(od);
81              break;
82          case 3:
83              printf("thirty");
84              dig(od);
85              break;
86          case 4:
87              printf("fourty");
88              dig(od);
89              break;
90          case 5:
91              printf("fifty");
92              dig(od);
93              break;
94          case 6:
95              printf("sixty");
96              dig(od);
97              break;
98          case 7:
99              printf("seventy");
100             dig(od);
101             break;
102          case 8:
103              printf("eighty");
104              dig(od);
105              break;
106          case 9:
107              printf("ninty");
108              dig(od);
109              break;
110          default:
111              printf("invalid number");
112      }
113      return 0;
114 }
```

5.对于或运算，前面条件为真就不进行后面的判断
对于与运算，前面条件为伪就不再进行后面判断

- sunkai@s
n/T/" &&
"/var/fo
1 2 2%

- sunkai@s
n/T/" &&
yp0d5rv5
2 1 2%

- sunkai@s
n/T/" &
yp0d5rv
1 1 1%

- sunkai@s
n/T/" &
yp0d5rv
2 2 2%