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```
1  #include <stdio.h>
2
3  int main()
4  {
5      printf("sizeof(int)=%ld\n", sizeof(int));
6      printf("sizeof(char)=%ld\n", sizeof(char));
7      printf("sizeof(float)=%ld\n", sizeof(float));
8      printf("sizeof(double)=%ld\n", sizeof(double));
9      printf("sizeof(long)=%ld\n", sizeof(long));
10     printf("sizeof(unsigned)=%ld\n", sizeof(unsigned));
11     return 0;
12 }
13
```

```
1  #include <stdio.h>
2
3  int main()
4  {
5      char c;
6      unsigned short s;
7      double d;
8
9      printf("Input one char:");
10     c=getchar();
11     printf("ASCII:%d\n", c);
12
13     printf("Input one short:");
14     scanf("%hu", &s);
15     printf("unsigned short:%u\n", s);
16
17     printf("Input one real:");
18     scanf("%f", &d);
19     printf("double:%g\n", d);
20
21     return 0;
22 }
23
```

```
1  #include <stdio.h>
2
3  int main()
4  {
5      float a=1.75, b=1.35;
6      float c=a+b;
7
8      printf("%f,%.7f\n", c, c);
9      a = 1.234567e10;
10     b = 20;
11     c = a + b;
12     printf("%f,%f\n", a, c);
13
14     return 0;
15 }
16
```

```
1  #include <stdio.h>
2
3  int main()
4  {
5      char c;
6      unsigned char uc;
7      short s;
8
9      c = 125+126;
10     uc = 125+126;
11     s = 125+126;
12     printf("%d,%d,%d\n", c, uc, s);
13
14     return 0;
15 }
16
```

```
1  #include <stdio.h>
2
3  int main()
4  {
5      int i;
6      float f;
7
8      i = 123456789+1234567890;
9      f = 123456789+1234567890;
10     printf("%d,%f\n", i, f);
11
12     return 0;
13 }
14
```

```
1  #include <stdio.h>
2
3  int main()
4  {
5      int i=-1;
6      float f=3;
7
8      printf("%d,%d\n", -(-i), -i);
9      printf("int_div:%d,%d\n", 2/3, 3/2);
10     printf("int_double div:%f,%f\n", 2.0/3, 3.0/2);
11     printf("%%+-: %d,%d,%d\n", 1%-2, -1%2, -1%-2);
12     printf("++i=%d,--f=%f\n", ++i, --f);
13     printf("i=%d,f=%f\n", i, f);
14     printf("i++=%d,f--=%f\n", i++, f--);
15     printf("i=%d,f=%f\n", i, f);
16
17     return 0;
18 }
19
```

```
1  #include <stdio.h>
2
3  int main()
4  {
5
6      int a=3, b=3, c=3;
7
8      printf("a>b:%d,a<b:%d,a==b:%d\n", a>b, a<b, a==b);
9      printf("a is odd:%d,b is odd:%d\n", a%2, b%2);
10     printf("a can be divided by b:%d\n", a%b==0);
11     printf("a==b==c:%d\n", a==b==c);
12     printf("a+b>b-c:%d\n", a+b>b-c);
13     printf("a+(b<c):%d\n", a+(b<c));
14
15     return 0;
16 }
17
```



```
1  #include <stdio.h>
2
3  int main()
4  {
5
6      int i, res;
7
8      scanf("%d", &i);
9      res = (i==0)&&i++;
10     printf("&&=%d,i=%d\n", res, i);
11     res = (i==1)||i--;
12     printf("||=%d,i=%d\n", res, i);
13     res = (i==1)||(i==2)||(res==0);
14     printf("res=%d\n", res);
15
16     return 0;
17 }
18
```

```
1  #include <stdio.h>
2
3  int main()
4  {
5      int a, b, c, max;
6
7      scanf("%d%d%d", &a, &b, &c);
8      max = (a>b) ? a : b;
9      printf("max of a b:%d\n", max);
10     max = (max>c) ? max : c;
11     printf("max of a b c:%d\n", max);
12
13     return 0;
14 }
15
```