```
1  #include<stdio.h>
2  int main()
3  {
4      int a = 125, b= 12345;
5      long ax = 1234567890;
6      short s = 4043;
7      float x = 2.13459;
8      double dx = 1.1415927;
9      char c = 'W';
10     unsigned long ux = 2541567890;
11     printf("a + c = %d\n" , a + c);
12     printf("x + c = %f\n" , x + c);
13     printf("dx + x = %f\n" , dx + x);
14     printf("a + x = %f\n" , a + x);
15     printf("s + b = %d\n" , s + b);
16     printf("ax + b = %1d\n", ax + b);
17     printf("s + c = %hd\n" , s + c);
18     printf("ax +  c = %1d\n" , ax +c);
19     printf("ax + ux = %1u\n" ,ax + ux);
20     return (0);
21  }
```

```
/tmp/oB7Jfc0Jf4.o
a + c = 212
x + c = 89.134590
dx + x = 3.276183
a + x = 127.134590
s + b = 16388
ax + b = 1234580235
s + c = 4130
ax +   c = 1234567977
ax + ux = 3776135780
```

main.c

```c
#include<stdio.h>
int main()
{
    int days, weeks, years ;
    printf("enter days:");
    scanf("%d", &days);
    years = days / 365;
    weeks= (days % 365) / 7;
    days = days - (( years * 365 ) + ( weeks * 7 ));
    printf("years : %d\n" , years);
    printf("weeks : %d\n" , weeks);
    printf("days : %d\n", days);
}
```

Output

```
/tmp/oB7JfcDJf4.o
enter days:231456
years : 634
weeks : 6
days : 4
```

ne C Compiler online editor X   P Online C Compiler   X   y! Create enumerated data type for X   w3 C Exercises: Create enumerated d X

C   programiz.com cip-oc-am mmg online-compiler

ube   (11) jatin verma dail...

rogramiz
Online Compiler

main.c   `[ ]`   ☼   **Run**   **Output**

```c
1   #include <stdio.h>
2   int main()
3    {
4       double wi1, ci1, wi2, ci2, result;
5       printf("Weight - Item1: ");
6       scanf("%lf", &wi1);
7       printf("No. of item1: ");
8       scanf("%lf", &ci1);
9       printf("Weight - Item2: ");
10      scanf("%lf", &wi2);
11      printf("No. of item2: ");
12      scanf("%lf", &ci2);
13      result = ((wi1 * ci1) + (wi2 * ci2)) / (ci1 + ci2);
14      printf("Average Value = %f\n", result);
15      return 0;
16  }
17
```

```
/tmp/oB7JfcDJf4.o
Weight - Item1: 12
No. of item1: 4
Weight - Item2: 14
No. of item2: 5
Average Value = 13.111111
```

Programiz

C Online Compiler

main.c	[] ☀ Run	Output

```c
1  #include <stdio.h>
2  int main()
3  {
4  enum week{Sunday, Monday, Tuesday, Wednesday, Thursday, Friday,
        Saturday};
5  printf("\nSun = %d", Sunday);
6  printf("\nMon = %d", Monday);
7  printf("\nTue = %d", Tuesday);
8  printf("\nWed = %d", Wednesday);
9  printf("\nThu = %d", Thursday);
10 printf("\nFri = %d", Friday);
11 printf("\nSat = %d", Saturday);
12 return 0;
13 }
14
```

Output
```
/tmp/oB7JfcDJf4.o
Sun = 0
Mon = 1
Tue = 2
Wed = 3
Thu = 4
Fri = 5
Sat = 6
```

Programiz

C Online Compiler

| main.c | | | | | | Output |

```c
1   #include <stdio.h>
2   int main()
3   {
4       float celsius, fahrenheit;
5       printf("Temperature in Celsius: \n");
6       scanf("%f", &celsius);
7       fahrenheit = ((celsius * 9)/5) + 32;
8       printf("\n %.2f Celsius = %.2f Fahrenheit", celsius, fahrenheit);
9       return 0;
10  }
```

```
/tmp/oB7JfcDJf4.o
Temperature in Celsius:
124534
 124534.00 Celsius = 224193.20 Fahrenheit
```

main.c

Output

Run

```c
1  #include <stdio.h>
2  int main()
3  {
4  int tot_mins;
5  int hrs;
6  int mins;
7  const int MINaHOUR = 60;
8  char line_text[10];
9      printf("Input minutes: ");
10     fgets(line_text, sizeof(line_text), stdin);
11     sscanf(line_text, "%d", &tot_mins);
12     hrs = (tot_mins / MINaHOUR);
13     mins = (tot_mins % MINaHOUR);
14     printf("%d Hours, %d Minutes.\n", hrs, mins);
15     return(0);
16 }
17
```

```
/tmp/oB7JfcDJf4.o
Input minutes: 12345
205 Hours, 45 Minutes.
```

Programiz
C Online Compiler

main.c

```c
#include <stdio.h>
int main()
{
    float length, width, perimeter;
    printf("Enter length of the rectangle: ");
    scanf("%f", &length);
    printf("Enter width of the rectangle: ");
    scanf("%f", &width);
    perimeter = 2 * (length + width);
    printf("Perimeter of rectangle = %f units ", perimeter);
    return 0;
}
```

Output

```
/tmp/oB7JfcDJf4.o
Enter length of the rectangle: 2
Enter width of the rectangle: 4
Perimeter of rectangle = 12.000000 units
```

Programiz
C Online Compiler

main.c

```c
#include <stdio.h>
int main()
{
    int a = 175,b = 25, c;
    c = a+b;
    printf("a+b = %d \n",c);
    c = a-b;
    printf("a-b = %d \n",c);
    c = a*b;
    printf("a*b = %d \n",c);
    c = a/b;
    printf("a/b = %d \n",c);
    c = a%b;
    printf("Remainder when a divided by b = %d \n",c);
    return 0;
}
```

Output

```
/tmp/oB7JfcDJf4.o
a+b = 200
a-b = 150
a*b = 4375
a/b = 7
Remainder when a divided by b = 0
```

Programiz

C Online Compiler

main.c   Output

```c
1  #include <stdio.h>
2  int main()
3  {
4      int a = 4, b = 3, c = 2;
5      printf("%d == %d is %d \n", a, b, a == b);
6      printf("%d == %d is %d \n", a, c, a == c);
7      printf("%d > %d is %d \n", a, b, a > b);
8      printf("%d > %d is %d \n", a, c, a > c);
9      printf("%d < %d is %d \n", a, b, a < b);
10     printf("%d < %d is %d \n", a, c, a < c);
11     printf("%d != %d is %d \n", a, b, a != b);
12     printf("%d != %d is %d \n", a, c, a != c);
13     printf("%d >= %d is %d \n", a, b, a >= b);
14     printf("%d >= %d is %d \n", a, c, a >= c);
15     printf("%d <= %d is %d \n", a, b, a <= b);
16     printf("%d <= %d is %d \n", a, c, a <= c);
17     return 0;
18 }
```

Output:
```
/tmp/oB7JfcDJf4.o
4 == 3 is 0
4 == 2 is 0
4 > 3 is 1
4 > 2 is 1
4 < 3 is 0
4 < 2 is 0
4 != 3 is 1
4 != 2 is 1
4 >= 3 is 1
4 >= 2 is 1
4 <= 3 is 0
4 <= 2 is 0
```

Programiz

C Online Compiler

main.c   Run

```c
#include<stdio.h>
int main()
{
    printf("Size of int: %ld bytes\n",sizeof(int));
    printf("Size of float: %ld bytes\n",sizeof(float));
    printf("Size of double: %ld bytes\n", sizeof(double));
    printf("Size of char: %ld byte\n",sizeof(char));
    return 0;
}
```

Output

```
tmp/cB73fcDJf4.o
Size of int: 4 bytes
Size of float: 4 bytes
Size of double: 8 bytes
Size of char: 1 byte
```