```c
#include <stdio.h>
int main()
{
    int a = 1343;
    int b;
    int c;
    int d;
    int e;

    printf ("1343 days in years, weeks and days: \n");
    b = 1343/365;
    printf ("%d years\n", b);
    c = 1343%365;
    d = c/7;
    printf ("%d weeks\n", d);
    e = c%7;
    printf ("%d days", e);
}
```

```c
#include <stdio.h>
#include <math.h>
#include <stdlib.h>
int main()
{
    double x1, x2;
    double y1, y2;
    double distance;
    double a;

    printf("Input x1: ");
    scanf("%f", &x1);

    printf("Input x1: ");
    scanf("%f", &x2);

    printf("Input x1: ");
    scanf("%f", &y1);

    printf("Input x1: ");
    scanf("%f", &y2);

    a = ((x2 - x1),2 + (y2 - y1),2);
    distance = sqrt (a);

    printf("Distance between the given points is: %f", distance);
}
```

```c
#include <stdio.h>
#include <stdlib.h>
#include <math.h>
int main()
{
    float a,b,c;
    float perimeter;

    printf("Input the three values: \n");
    scanf("%f%f%f", &a, &b, &c);


    if ((a+b > c) && (a+c > b) && (b+c > a))
    {
        printf("A triangle can be formed");
    }

    else
    {
        ("A triangle cannot be formed");
    }
    perimeter = a+b+c;
    printf("The perimeter is: %f", perimeter);
}
```

```c
#include <stdio.h>
int main()
{
    int age;
    int cnt1=0, cnt2=0, cnt3=0;
    int count = 0;

    while(count<20)
    {
        printf("Enter age of person [%d]: ", count+1);
        scanf("%d", &age);

        if(age>=0 && age <=5)
        {
            cnt1++;
        }

        else if(age>=6 && age<=17)
        {
            cnt2++;
        }

        else
        {
            cnt3++;
        }

        count++;
    }

    printf("Baby age: %d\n", cnt1);
    printf("School age: %d\n", cnt2);
    printf("Adult age: %d\n", cnt3);
}
```

```c
#include <stdio.h>
#include <stdlib.h>
#include <time.h>

int main()
{
    int random1=0, count=0, a, stime, ltime;

    ltime = time(NULL);
    stime = (unsigned) ltime/2;
    srand(stime);

    random1=rand()%100;

    while(1)
    {
        count+=1;

        printf("\n\nGuess a number from '0' to '100': ");
        scanf("%d", &a);

        if (random1==a)
        {
            printf("Congratulations, you guessed the number correctly.");
            break;
        }

        else if (random1<a)
        {
            printf("Guesssed number is greater than randomly generated number.");
        }

        else if (random1>a)
        {
            printf("Guessed number is less than randomly generated number.");
        }

        if (count==7)
        {
            printf("\nGame over! You've reached the maximum allowed attempts");
            break;
        }
    }
}
```