

```
1  #include <stdio.h>
2  #define DAYSINWEEK 7
3
4  void main()
5  {
6  {
7      int ndays, year, week, days;
8
9      printf("Enter number of days\n");
10     scanf("%d", &ndays);
11     year= ndays / 365;
12     week=(ndays % 365) / DAYSINWEEK;
13     days=(ndays % 365) % DAYSINWEEK;
14     printf("%d is equivalent to %d years, %d weeks and %d days\n", ndays, year, week, days);
15
16     return 0;
17 }
18
```

```
Enter number of days
1343
1343 is equivalent to 3 years, 35 weeks and 3 days
Process returned 51 (0x33)   execution time : 80.792 s
Press any key to continue.
```

```
1 #include <stdio.h>
2 #include <stdlib.h>
3
4 int main()
5 {
6
7     float x, y, z, P, A;
8     printf("\ninput the first number x: ");
9     scanf("%f", &x);
10    printf("\ninput the second number y: ");
11    scanf("%f", &y);
12    printf("\ninput the third number z: ");
13    scanf("%f", &z);
14
15    if(x < (y+z) && y < (x+z) && z < (y+x))
16    {
17        P = x+y+z;
18        printf("\nPerimeter = %.1f\n", P);
19
20    }
21    else;
22    {
23
24        printf("Not possible to create a triangle!!!");
25    }
26
27    return 0;
28 }
29
```

input the first number x: 3

input the second number y: 5

input the third number z: 7

Perimeter = 15.0

Not possible to create a triangle!!!

Process returned 0 (0x0) execution time : 5.404 s

Press any key to continue.

```
1 #include <stdio.h>
2 #include <stdlib.h>
3
4 int main()
5 {
6     float x1, y1, x2, y2, gdistance;
7     printf("input x1: ");
8     scanf("%f", &x1);
9     printf("input y1: ");
10    scanf("%f", &y1);
11    printf("input x2: ");
12    scanf("%f", &x2);
13    printf("input y2: ");
14    scanf("%f", &y2);
15    gdistance = ((x2-x1)*(x2-x1))+((y2-y1)*(y2-y1));
16    printf("Distance between the said point: %.4f", sqrt(g
17    printf("\n");
18    return 0;
19 }
20
21
```

```
input x1: 39
input y1: 12
input x2: 89
input y2: 78
Distance between the said point: 82.8010
```

```
Process returned 0 (0x0) execution time : 8.585 s
Press any key to continue.
```

```

1  #include <stdio.h>
2  #include <stdlib.h>
3
4  int main()
5  {
6
7  int age;
8  int cnt_baby=0,cnt_school=0,cnt_adult=0;
9  int count=0;
10
11 while(count<20)
12 {
13 printf("Enter age of person[%d]: ",count+1);
14 scanf("%d",&age);
15
16 if(age>=0&&age<=4)
17     cnt_baby++;
18 if(age>=5&&age<=17)
19     cnt_school++;
20 else
21     cnt_adult++;
22 //increasing the number of years by 1
23     count++;
24 }
25 printf("Baby age:%d\n",cnt_baby);
26 printf("School age:%d\n",cnt_school);
27 printf("Adult age:%d\n",cnt_adult);
28     return 0;
29 }

```

```

Enter age of person[1]: 56
Enter age of person[2]: 9
Enter age of person[3]: 0
Enter age of person[4]: 45
Enter age of person[5]: 3
Enter age of person[6]: 89
Enter age of person[7]: 12
Enter age of person[8]: 34
Enter age of person[9]: 14
Enter age of person[10]: 15
Enter age of person[11]: 56
Enter age of person[12]: 67
Enter age of person[13]: 8923
Enter age of person[14]: 5
Enter age of person[15]: 9
Enter age of person[16]: 45
Enter age of person[17]: 4
Enter age of person[18]: 89
Enter age of person[19]: 65
Enter age of person[20]: 2
Baby age:4
School age:6
Adult age:14

```

```

Process returned 0 (0x0)   execution time : 86.650 s
Press any key to continue.

```

```

1  #include <stdio.h>
2  #include <stdlib.h>
3  #include <time.h>
4
5  int main()
6  {
7      int random_genNo=0, count=0, num;
8      int shorttime;
9      long longtime;
10
11     longtime=time(NULL);
12     shorttime=(unsigned)time/2;
13     srand(shorttime);
14
15     //generates random number
16     random_genNo=rand()%100;
17
18     //run infinite loop
19     while(1)
20     {
21         //increase counter
22         count+=1;
23
24         //read number from user
25         printf("\n\nGuess a number from (0 to 100):");
26         scanf("%d", &num);
27
28         //compare entered number with generated number
29

```

```

Guess a number from (0 to 100):89
Generate number is less than entered number, try your luck again...

Guess a number from (0 to 100):09
Generate number is greater than entered number, try your luck again...

Guess a number from (0 to 100):09
Generate number is greater than entered number, try your luck again...

Guess a number from (0 to 100):7
Generate number is greater than entered number, try your luck again...

Guess a number from (0 to 100):456
Generate number is less than entered number, try your luck again...

Guess a number from (0 to 100):2345
Generate number is less than entered number, try your luck again...

Guess a number from (0 to 100):8
Generate number is greater than entered number, try your luck again...

Maximum limit of attempt finished, GAME OVER FOR YOU!

Process returned 0 (0x0)   execution time : 16.794 s
Press any key to continue.

```