

The image shows a screenshot of a C++ IDE. The main window displays a C++ program that takes an input number of days and outputs the equivalent number of years, months, and weeks. The code is as follows:

```
1 #include <stdio.h>
2 #include <stdlib.h>
3
4 int main()
5 {
6     int days ,yr,mn,wk,d;
7     printf("Enter the no of days=");
8     scanf("%d",&days);
9
10    yr = days /365;
11
12    mn =(days /365)/30;
13
14
15    printf("Years= %d \n Months= %d \n Weeks =%d \n", yr,mn,wk);
16    // converts days to years, weeks and months
17    getch();
18
19    return 0;
20 }
21
```

The IDE interface includes a 'Projects' sidebar on the left showing a workspace named 'blossom1' with a source file 'main.c'. At the bottom, there is a 'Logs & others' panel with several tabs: 'Code:Blocks', 'Search results', 'Cccc', 'Build log', 'Build messages', 'CppCheck/Ver++', 'CppCheck/Ver++ messages', 'Cscope', and 'Debugger'. The 'Build messages' tab is currently active, showing a table with columns for 'File' and 'Line'.

Enter the no of days-1343  
Years= 3  
Months= 0  
Weeks =75

The image shows a screenshot of a C++ IDE. The main editor window displays the following code:

```
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 points: %.4f", sqrt(gdistance));
17    printf("\n");
18    return 0;
19 }
20
```

The IDE interface includes a toolbar at the top with icons for file operations, a menu bar with options like 'File', 'Edit', 'View', 'Project', 'Debug', and 'Build', and a status bar at the bottom showing various tool windows such as 'Code-Blocks', 'Search results', 'Build log', 'Build messages', 'CppCheck/Vera++', 'CppCheck/Vera++ messages', 'Cscope', and 'Debugger'. The left sidebar shows a 'Management' panel with 'Projects', 'Symbols', and 'Files' tabs, and a 'Workspace' section containing 'assignmenthome1' and 'assignment2homeA'.

```
input x1: 8.9765
input y1: 7.986
input x2: 4.567
input y2: 3.456
Distance between the said points: 6.3218

Process returned 0 (0x0)   execution time : 28.528 s
Press any key to continue.
```

```
1 #include <stdio.h>
2 #include <stdlib.h>
3
4 int main()
5 {
6     float x, y, z, P, A;
7     printf("\nInput the first number x: ");
8     scanf("%f", &x);
9     printf("\nInput the second number y: ");
10    scanf("%f", &y);
11    printf("\nInput the third number z: ");
12    scanf("%f", &z);
13
14    if(x < (y+z) && y < (x+z) && z < (y+x))
15    {
16        P = x+y+z;
17        printf("\nPerimeter = %.1f\n", P);
18    }
19    else
20    {
21
```

```
Input the first number x: 2
Input the second number y: 3
Input the third number z: 1
Not possible to create a triangle..!
Process returned 0 (0x0)   execution time : 5.771 s
Press any key to continue.
```

Desktop\programme\assignment\A...

Activate Windows  
Go to Settings to activate Windows.

```
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++;

```

```
Projects Sys
Workspace
assignment
assignment
assignment
assignment
Sources
main
Enter age of person [1]: 0
Enter age of person [2]: 6
Enter age of person [3]: 1
Enter age of person [4]: 0
Enter age of person [5]: 11
Enter age of person [6]: 34
Enter age of person [7]: 13
Enter age of person [8]: 22
Enter age of person [9]: 67
Enter age of person [10]: 87
Enter age of person [11]: 34
Enter age of person [12]: 23
Enter age of person [13]: 11
Enter age of person [14]: 10
Enter age of person [15]: 45
Enter age of person [16]: 56
Enter age of person [17]: 89
Enter age of person [18]: 2
Enter age of person [19]: 3
Enter age of person [20]: 41
Baby age: 4
School age: 6
Adult age: 14

Process returned 0 (0x0)   execution time : 51.000 s
Press any key to continue.
```



```
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
26 printf("Baby age: %d\n",cnt_baby);
27 printf("School age: %d\n",cnt_school);
28 printf("Adult age: %d\n",cnt_adult);
29 return 0;
30
```

```
workspace
├── assignmenthome
├── assignment2home
└── assignment3
    └── Sources
```

```
Input the first number x: 3
Input the second number y: 5
Input the third number z: 7
Perimeter = 15.0
Process returned 0 (0x0)   execution time : 4.419 s
Press any key to continue.
```