

```
main.c X
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
```

Enter the no of days=1343

Years= 3

Months= 8

Weeks =75

The image shows a code editor window with two tabs: 'main.c' and '*main.c'. The code is written in C and calculates the distance between two points. The code is as follows:

```
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 editor interface includes a toolbar at the top with various icons for file operations and editing. On the left side, there is a file explorer showing the current directory as 'home' and 'homeA'. The status bar at the bottom indicates 'Line & others'.

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.

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.

■

Management X

Projects Symbols Files

Workspace

- assignmenthome1
- assignment2home4
- assignment3
- assignmenthome4
 - Sources
 - main.c

main.c X main.c X main.c X main.c X

```
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++;
```

```
Enter age of person [1]: 8
Enter age of person [2]: 6
Enter age of person [3]: 1
Enter age of person [4]: 8
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]: 18
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.
```

Management X

Projects Symbols Files

Workspace
assignmenthome1
assignment2homeA
assignment3
assignmenthome4
Sources
main.c

main.c X main.c X main.c X main.c X

```
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
```



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

Guess a number from (0 to 100): 78
Generated number is less than entered number, try your luck again...

Guess a number from (0 to 100): 2
Generated number is greater than entered number, try your luck again...

Guess a number from (0 to 100): 56
Generated number is less than entered number, try your luck again...

Guess a number from (0 to 100): 22
Generated number is greater than entered number, try your luck again...

Guess a number from (0 to 100): 33
Generated number is less than entered number, try your luck again...

Guess a number from (0 to 100): 30
Generated number is less than entered number, try your luck again...

Maximum limit of attempt finished, GAME OVER FOR YOU!

Process returned 0 (0x0)   execution time : 56.454 s
Press any key to continue.
```

```
1  #include <stdio.h>
2  #include <stdlib.h>
3  #include <time.h>
4  #include <math.h>
5  |
6  int main()
7  |
8      int random_genNo=0, count=0, num;
9      int shorttime;
10     long longtime;
11
12     longtime = time(NULL);
13     shorttime = (unsigned)time/2;
14     srand(shorttime);
15
16     //generates random number
17     random_genNo=rand()%100;
18
19     //run infinite loop
20     while(1)
21     |
```

main.c x

```
20 while(1)
21 {
22     //increase counter
23     count++;
24
25     //read number from user
26     printf("\n\nGuess a number from (0 to 100): ");
27     scanf("%d", &num);
28
29     //compare entered number with generated number
30
31     if(random_genNo==num) {
32         printf("Congratulations, you have guessed a correct number.");
33         break;
34     }
35     else if(random_genNo<num) {
36         printf("Generated number is less than entered number, try your luck again...");
37     }
38     else if(random_genNo>num) {
39         printf("Generated number is greater than entered number, try your luck again...");
40     }
```

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```

```
if(random_genNo==num) {
    printf("Congratulations, you have guessed a correct number.");
    break;
}
else if(random_genNo<num) {
    printf("Generated number is less than entered number, try your luck again...");
}
else if(random_genNo>num) {
    printf("Generated number is greater than entered number, try your luck again...");
}

if(count==7) {
    printf("\n\nMaximum limit of attempt finished, GAME OVER FOR YOU!\n");
    break;
}

return 0;
}
```