

```

1 #include<stdio.h>
2 #include<stdlib.h>
3
4 int main()
5 {
6     float a, b, c, Perimeter;
7     printf("First side:");
8     scanf("%f", &a);
9     printf("Second side:");
10    scanf("%f", &b);
11    printf("Third side:");
12    scanf("%f", &c);
13    if((b+c)>a && (b+a)>c && (a+c)>b)
14    {
15        Perimeter= a+b+c;
16        printf(" The perimeter is %.3f", Perimeter);
17    }
18
19    else
20    {
21        printf("Values cannot create a triangle!");
22    }
23
24    return 0;
25 }
26

```

```

First side:13
Second side:2
Third side:14
The perimeter is 29.000
Process returned 0 (0x0)   execution time : 5.289 s
Press any key to continue.

```

```

1 #include <stdio.h>
2 #include <stdlib.h>
3
4 int main()
5 {
6     int random_genNo=0, count=0, num;
7     int stime;
8     long ltime;
9     ltime= time(NULL);
10    stime= (unsigned) ltime/3;
11    srand(stime);
12    random_genNo = rand()%100;
13
14    while(1)
15    {
16        count++;
17        printf("\n\nGuess a number from(1 to 100):");
18        scanf("%d", &num);
19        if(random_genNo==num)
20        {
21            printf("Congprstulations, you have guessed the correct number.");
22            break;
23        }
24        else if(num>random_genNo)
25        {
26            printf("The entered number is greater than the generated number.");
27        }
28        else if(num<random_genNo)
29        {
30            printf("The entered number is less than the generated number.");
31        }
32        if (count==3)
33        {
34            printf("\nYou have one more attempt.");

```

```

Guess a number from(1 to 100):23
The entered number is less than the generated number.
Guess a number from(1 to 100):45
The entered number is less than the generated number.
Guess a number from(1 to 100):67
The entered number is less than the generated number.
Guess a number from(1 to 100):89
The entered number is less than the generated number.
Guess a number from(1 to 100):10
The entered number is less than the generated number.
Guess a number from(1 to 100):100
The entered number is greater than the generated number.
You have one more attempt.
Guess a number from(1 to 100):92
The entered number is less than the generated number.
### You have used all your attempts, better luck next time
The Random generated number was:96
Process returned 0 (0x0)   execution time : 22.467 s
Press any key to continue.

```

```
Projects
Workspace

1 #include <stdio.h>
2 #include <stdlib.h>
3
4 int main()
5 {
6     int days, years, weeks;
7     days= 1343;
8     years=days/365;
9     weeks= (days % 365)/7;
10    days= days-((years*365)+(weeks*7));
11    printf("%dYears", years);
12    printf("\n%dweeks", weeks);
13    printf("\n%ddays", days);
14
15
16
17    return 0;
18 }
19
```

```
3Years
35weeks
3days
Process returned 0 (0x0)   execution time : 0.069 s
Press any key to continue.
```

```
Projects
Workspace

1 #include <stdio.h>
2 #include <stdlib.h>
3
4 int main()
5 {
6     float x1, x2, y1, y2, distance, A,B;
7     printf("Enter x1:\n");
8     scanf("%f", &x1);
9     printf("enter x2:\n");
10    scanf("%f", &x2);
11    printf("Enter y1:\n");
12    scanf("%f", &y1);
13    printf("Enter y2:\n");
14    scanf("%f", &y2);
15    A =(x2-x1);
16    B = (y2-y1);
17    distance = sqrt((A*A)+(B*B));
18    printf("The distance between points is:%f", distance);
19
20
21    return 0;
22 }
23
```

```
Enter x1:
1
enter x2:
4
Enter y1:
7
Enter y2:
5
The distance between points is:3.605551
Process returned 0 (0x0)   execution time : 13
.269 s
Press any key to continue.
```

```

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

```

```

enter age of person[1]:1
enter age of person[2]:2
enter age of person[3]:3
enter age of person[4]:4
enter age of person[5]:5
enter age of person[6]:6
enter age of person[7]:7
enter age of person[8]:8
enter age of person[9]:9
enter age of person[10]:0
enter age of person[11]:10
enter age of person[12]:11
enter age of person[13]:12
enter age of person[14]:13
enter age of person[15]:14
enter age of person[16]:15
enter age of person[17]:1
enter age of person[18]:6
enter age of person[19]:18
enter age of person[20]:19
No_ of Baby age= 6
No_ of School age= 12
No_ of Adult age= 2
Process returned 0 (0x0)   execution time : 15.568 s
Press any key to continue.

```

```

13     while(i)
14     {
15         count+=i;
16         printf("\n\nGuess a number from(1 to 100):");
17         scanf("%d",&num);
18         if(random_genNo==num)
19         {
20             printf("Congratulations, you have guessed the correct number.");
21             break;
22         }
23     }
24     else if(num>random_genNo)
25     {
26         printf("The entered number is greater than the generated number.");
27     }
28     else if(num<random_genNo)
29     {
30         printf("The entered number is less than the generated number.");
31     }
32     if (count==6)
33     {
34         printf("\n\nYou have one more attempt.");
35     }
36     if (count==7)
37     {
38         printf("\n\n### You have used all your attempts, better luck next time");
39         break;
40     }
41 }
42 printf("\n\nThe Random generated number was:%d",random_genNo);
43 return 0;
44 }
45

```

```

Guess a number from(1 to 100):23
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