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

int main()
{
    float a, b, c, Perimeter;
    printf("First side:");
    scanf("%f",&a);
    printf("Second side:");
    scanf("%f",&b);
    printf("Third side:");
    scanf("%f",&c);
    if((b+c)>a && (b+a)>c && (a+c)>b)
    {
        Perimeter= a+b+c;
        printf(" The perimeter is %.3f",Perimeter);
    }

    else
    {
        printf("Values cannot create a triangle!");

    }
    return 0;
}
```

"C:\Users\DAYO\Desktop\C Programming\lockd... — □ ✕

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.

```c
13
14      while(1)
15      {
16          count+=1;
17          printf("\n\nGuess a number from(1 to 100):");
18          scanf("%d",&num);
19          if(random_genNo==num)
20          {
21              printf("Congratulations, 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==6)
33      {
34          printf("\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
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.
```

```
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.
```

```c
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/2;
11       srand(stime);
12       random_genNo = rand()%100;
13
14       while(1)
15       {
16           count+=1;
17           printf("\n\nGuess a number from(1 to 100):");
18           scanf("%d",&num);
19           if(random_genNo==num)
20           {
21               printf("Congratulations, 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==6)
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.
```

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

int main()

{
    float x1, x2, y1, y2, distance, A,B;
    printf("Enter x1:\n");
    scanf("%f",&x1);
    printf("enter x2:\n");
    scanf("%f", &x2);
    printf("Enter y1:\n");
    scanf("%f",&y1);
    printf("Enter y2:\n");
    scanf("%f",&y2);
    A =(x2-x1);
    B = (y2-y1);
    distance = sqrt((A*A)+(B*B));
    printf("The distance between points is:%f",distance);

return 0;
}
```

```
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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.
```

```c
#include<stdio.h>
#include<stdlib.h>
int main()
{
  int age;
  int cnt_baby=0;
  int  cnt_school=0;
  int  cnt_adult=0;
  int  count=0;
 while(count<20)
  {
      printf("enter age of person[%d]:", count+1);
      scanf("%d",&age);
      if(age>=0 && age<=4)
        cnt_baby++;
        else if(age>4 && age<=17)
         cnt_school++;
        else
            cnt_adult++;
            count++;
   }
  printf("No_ of Baby age= %d\n",cnt_baby);
  printf("No_ of School age= %d\n", cnt_school) ;
  printf("No_ of Adult age= %d\n", cnt_adult);
  return 0;
 }
```

```
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 : 15.560 s
Press any key to continue.
```