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18/ENG05/052

HAVING PROBLEMS WITH MY CODEBLOCK SO I CODED WITH SOLOLEARN, A PROGRAMMING APP ON MY PHONE.

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

OUTPUT

```
years: 3  
weeks: 35  
days: 493
```

```
1  #include <stdio.h>
2  #include <math.h>
3
4  int main()
5  {
6      int x1, y1, x2, y2, x, y,
7          distance;
8
9      // take first point's
10     coordinates
11     printf("Enter coordinates of
12     first point: ");
13     scanf("%d %d",&x1, &y1);
14
15     // take second point's
16     coordinates
17     printf("Enter coordinates of
18     second point: ");
19     scanf("%d %d",&x2, &y2);
20
21     x = (x2-x1);
22     y = (y2-y1);
```

```
18
19     distance = sqrt(x*x + y*y);
20
21     // display result
22     printf("Distance = %d",
23           distance);
24 }
```

OUTPUT

```
Enter coordinates of first point:
Enter coordinates of      second
point: Distance = 36524
```

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



```
19
20     //increase counter
21     count++;
22 }
23
24     printf("Baby age:
%d\n",cnt_baby);
25     printf("School age:
%d\n",cnt_school);
26     printf("Adult age:
%d\n",cnt_adult);
27
28     return 0;
29 }
```

OUTPUT

```
person [10]: Enter age of person
[11]: Enter age of person [12]:
Enter age of person [13]: Enter age
of person [14]: Enter age of person
[15]: Enter age of person [16]:
Enter age of person [17]: Enter age
of person [18]: Enter age of person
[19]: Enter age of person [20]:
Baby age: 5
School age: 5
Adult age: 10
```

```
1  #include <stdio.h>
2  #include <stdlib.h>
3  #include <time.h>
4
5
6  int main()
7  {
8      int random_genNo=0, count=0, num;
9      int stime;
10     long ltime;
11
12     //initialise srand with current
time, to get random number on every
run
13     ltime = time(NULL);
14     stime = (unsigned) ltime/2;
15     srand(stime);
16
17     //generate random number
18     random_genNo=rand()%100;
19
20     //run infinite loop
21     while(1)
22     {
23         //increase counter
24         count+=1;
25
26         //read number from user
27         printf("\n\nGuess a number
```

with generated number

```
31
32     if(random_genNo==num){
33
34         printf("Congratulations, you have
35         guessed a correct number.");
36         break;
37     }
38     else if(random_genNo<num){
39         printf("Generated
40         number is less than entered number,
41         try your luck again...");
42     }
43     else if(random_genNo>num){
44         printf("Generated
45         number is greater than entered
46         number, try your luck again...");
47     }
48
49     if(count==7){
50         printf("\n\n### Maximum
limit of atttempt finished, BAD
LUCK !!!\n");
        break;
    }
}
return 0;
}
```


OUTPUT

```
Guess a number from (0 to 100):  
Generated number is greater than  
entered number...
```

```
Guess a number from (0 to 100):  
Generated number is greater than  
entered number...
```

```
Guess a number from (0 to 100):  
Generated number is greater than  
entered number...
```