

ADETORO MAYOLA SOLA

18/ENCO4/005

ELECTRICAL / ELECTRONICS ENGINEERING



```
#include <stdio.h>
#include <stdlib.h>
/* if (guessed_number < generated_number) {
/* printf("%s\n", "The number guessed is less than the generated number
}
if (attempts == 7) {
printf("%s\n", "You have ran out of attempts.");
}
attempts ++;
}
*/
int year;
int day;
int week;
int give_days;
int days_left;
int day_left;
int days;
int calendar_days = 365;
int calendar_week = 52;
printf("%s", "Enter the number of days you want to convert: ");
scanf("%d", &give_days);
year = give_days / calendar_days;
days_left = give_days - (year * calendar_days);
week = (calendar_week * days_left) / calendar_days;
day_left = (calendar_days * week) / calendar_week;
days = days_left - day_left;
printf("%d %s %d %s %d %s\n", year, "years", week, "weeks", days, "days");
return 0;
```



ADETORO MATHEWA SOLA

ELECTRICAL / ELECTRONICS ENGINEERING

18/04/2005

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

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

```
#include <math.h>
```

```
int main()
```

```
{
```

```
float x1;
```

```
float x2;
```

```
float y1;
```

```
float y2;
```

```
float distance;
```

```
printf("a %s", "Enter the value of x1: ");
```

```
scanf("a %f", &x1);
```

```
printf("a %s", "Enter the value of x2: ");
```

```
scanf("a %f", &x2);
```

```
printf("a %s", "Enter the value of y1: ");
```

```
scanf("a %f", &y1);
```

```
printf("a %s", "Enter the value of y2: ");
```

```
scanf("a %f", &y2);
```

```
distance = ((x2 - x1) * (x2 - x1)) + ((y2 - y1) * (y2 - y1));
```

```
printf("the distance between the two points is = %f\n", sqrt(distance));
```

```
return 0;
```

```
}
```



ADETORO MAYORLA SOLA

18/09/2005

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

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

```
float base;
```

```
float side1;
```

```
float side2;
```

```
float perimeter;
```

```
printf("%s", "Enter the value of your base: ");
```

```
scanf("%f", &base);
```

```
printf("%s", "Enter the value of your side1: ");
```

```
scanf("%f", &side1);
```

```
printf("%s", "Enter the value of your side2: ");
```

```
scanf("%f", &side2);
```

```
if ((base + side1) > side2 && (side1 + side2) > base && (base + side2) > side1) {
```

```
    perimeter = base + side1 + side2;
```

```
    printf("%s\n", "it is possible to make a triangle with these value.");
```

```
    printf("%s %f", "The perimeter of the triangle is", perimeter);
```

```
}
```

```
else {
```

```
    printf("%s\n", "it is not possible to make a triangle with these value.");
```

```
}
```

```
return 0;
```



ADETORO MANOWA SOLA  
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18/EET/04/005

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```
#include <stdio.h>
#include <stdlib.h>
int age;
int baby_age = 0;
int school_age = 0;
int adult_age = 0;
int people = 1;

while (people <= 20) {
    printf("%s", "Enter your age: ");
    scanf("%d", &age);

    if (age <= 4) {
        baby_age ++;
    }
    if (age >= 5 && age <= 17) {
        school_age ++;
    }
    if (age >= 18) {
        adult_age ++;
    }

    people = people + 1;
}

printf("%d %s\n", baby_age, "baby ages");
printf("%d %s\n", school_age, "school ages");
printf("%d %s\n", adult_age, "adult ages");

return 0;
```



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

int attempts = 1;
/*int guesses;*/
int guessed_number;
int generated_number;

srand (time (0));
generated_number = rand() % 101;
/* To check the generated number remove the characters in the line below */
/* printf ("%d\n", generated_number); */
printf (" %s\n", "You have 7 attempts to the guess the correct number.");
while (attempts <= 7) {
    printf (" %s", "guess a number between 0 to 100: ");
    scanf ("%d", &guessed_number);
    if (&guessed_number == generated_number) {
        printf (" %s\n", "you guessed the number correctly.");
        break;
    }
    if (&guessed_number > generated_number) {
        printf (" %s\n", "the number guessed is greater than the generated number.");
    }
    else {
        /* if (guessed_number < generated_number) { */
        printf (" %s\n", "the number guessed is less than the generated number.");
        /* } */
    }
    if (attempts == 7) {
        printf (" %s\n", "you have ran out of attempts.");
    }
    attempts ++;
}
```