Q4	Write C program for 3 inputs (A , B , C) and finds the maximum and minimum numbers plus calculate the average (max , min , avg) .
Code	

```c
#include<stdio.h>

int main()
{
    printf("\nThis program will take 3 integer inputs and find");
    printf("\nthe maximum, minimum, and average.\n\n");
    int a, b, c, max, min, avr;
    printf("Enter the first integer  : ");
    scanf("%d", &a);
    printf("Enter the second integer : ");
    scanf("%d", &b);
    printf("Enter the third integer  : ");
    scanf("%d", &c);

    max = a;
    if(b > max) {max = b;}
    if(c > max) {max = c;}

    min = a;
    if(b < min) {min = b;}
    if(c < min) {min = c;}

    avr = (a+b+c)/3;

    printf("\nMaximum = %d", max);
    printf("\nMinimum = %d", min);
    printf("\nAverage = %d\n\n", avr);

    return 0;
}
```
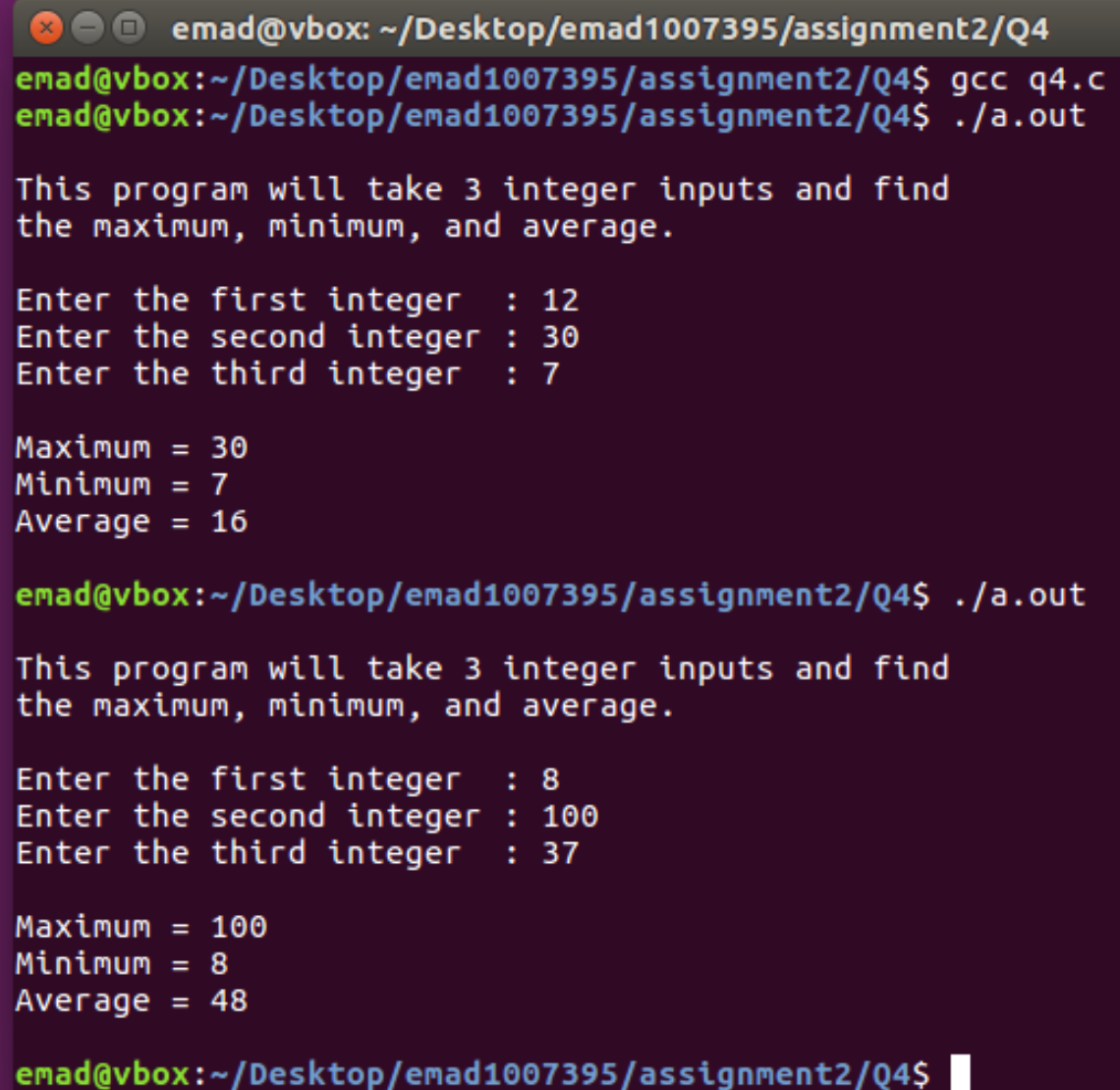
GNU nano 2.5.3   File: q4.c

^G Get Help   ^O Write Out ^W Where Is   ^K Cut Text   ^J Justify
^X Exit   ^R Read File ^\ Replace   ^U Uncut Text ^T To Spell

| **Screenshot** | ```
emad@vbox: ~/Desktop/emad1007395/assignment2/Q4

emad@vbox:~/Desktop/emad1007395/assignment2/Q4$ gcc q4.c
emad@vbox:~/Desktop/emad1007395/assignment2/Q4$ ./a.out

This program will take 3 integer inputs and find
the maximum, minimum, and average.

Enter the first integer  : 12
Enter the second integer : 30
Enter the third integer  : 7

Maximum = 30
Minimum = 7
Average = 16

emad@vbox:~/Desktop/emad1007395/assignment2/Q4$ ./a.out

This program will take 3 integer inputs and find
the maximum, minimum, and average.

Enter the first integer  : 8
Enter the second integer : 100
Enter the third integer  : 37

Maximum = 100
Minimum = 8
Average = 48

emad@vbox:~/Desktop/emad1007395/assignment2/Q4$
``` |