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Experiment no: 2

Question: Write a C program to accept three numbers from the user. Find the greater two among the three and pass them as parameters to the user defined functions below.

a. sumaver (·) which finds the sum and average of the two numbers, Print the sum and return the average.

b. printeven(···) which prints all the even numbers between the given two numbers.

Code:
```c
#include <stdio.h>
#include <iostream>
int compare (float, float, float);
void sumaver (float, float);
void printeven (float, float);
int main()
{
    float n1, n2, n3
    printf("Enter the first number");
    scanf("%f", &n1);
    printf("Enter the second number");
    scanf("%f", &n2);
    printf("Enter the third number");
    scanf("%f", &n3);
    compare (n1, n2, n3);
    return 0;
}

int compare (float x, float y, float z)
{
    ((x<y && x<z)? sumaver(y,z): ((y<x && y<z)? sumaver(x,z):
    sumaver(x,y)));
    ((x<y && x<z)? printeven(y,z): ((y<x && y<z)? printeven(x,z):
    printeven (x,y)));
    P.T.O
```

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```c
void sumaver (float a, float b)
{
    int sum = a + b;
    printf("sum is : %d\n", sum);
    float avg = (a+b)/2;
    printf("Average is: %0.2f \n", avg);
}

void printeven(float a, float b)
{
    int start, end;
    if (a<b)
        {
            start = a;
            end = b;
        }
    else
        {
            start = b;
            end = a;
        }
    int i = start + 1;
    for(; i<end; i++)
        {
            if (i%2==0)
            {
                printf("%d\t", i);
            }
        }
}
```

Average is...

Sample Input:
Enter the first number: 1
Enter the second number: 6
Enter the third number: 12

Sample Output:
Sum is: 18
Average is: 9.00
even nos are: 8,10,