EXPERIMENT- 2

IBM19CS090

S. Mohammed Ibrahim Rahil

Q) Write a C program to accept 3 numbers from user. Find the greater two among the three and pass them as parameters to the userdefined functions gn below.

a) sumaver () which finds the sum and average of the 2 numbers. Print sum and return average.

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

code:

```c
#include < stdio.h >
# include < conio.h >
int    main ()
{
    int    max of 3 ( int a, int b, int c )
    {
        int   largest = 0;
        if   (a > b  &&  a > c)
            largest = a;
        else if   (b > a   &&   b > c)
            largest = b;
        else
            largest = c;
        return   largest;
    }
    void    sumaver ( int a, int b)
    {
        printf (" the average is : %d \n", (a+b)/2 );
        printf (" the sum is : %d \n", (a+b));
```

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```c
Void    print even (int a, int b)        IBM19CS090
{                                          RAHUL
        int i;
        printf ("Even    numbers    %d  to  %d (inclusive):",
                                                    b, a);
        for (i = b ; i <= a ; i++)
        {
            if ( i %2 == 0)
                printf (" %d ", i );
        }
}
int    maxof2 (int a, int b)
{
        int    largest = 0;
        if (a > b)
            largest = a;
        else if (b > a)
            largest = b;
        return    largest;
}
int     n1, n2, n3, x, y, f1 ;
printf ("Enter    three numbers : \n");
scanf (" %d %d %d ", &n1, &n2, &n3);
x = maxof3 ( n1, n2, n3);
if ( x == n1)
    y = maxof2 (n2, n3);
else if ( x == n2)
    y = maxof2 (n1, n3);
else
    y = maxof2 (n1, n2);
printf (" the largest of two of given three are
            %d    and    %d \n", x, y);
sum avg (x, y);
printeven ( x, y);
return 0;
}
```

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