CODE

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

void getdata(float *,float *,float*);
void analyze(float,float,float,float *,float *);
float sumaver(float,float);
void printeven(float,float);

int main()
{
    float n1,n2,n3,greatest,second_greatest;
    float avg;
    getdata(&n1,&n2,&n3);

    analyze(n1,n2,n3,&greatest,&second_greatest);
    avg=sumaver(greatest,second_greatest);
    printf("\nThe Average of Highest(%.2f) and Second highest(%.2f) is : %.2f ",greatest,second_greatest,avg);
    printeven(greatest,second_greatest);
    return 0;
}

void getdata(float *n1,float *n2,float *n3)
{
    printf("\nEnter the three numbers:\n");
    scanf("%f%f%f",n1,n2,n3);
}

void analyze(float n1,float n2,float n3,float *H,float *S_H)// H-greatest, S_H-Second greatest
{
    *H=n1>n2?(n1>n3?n1:n3):(n2>n3?n2:n3);
    *S_H=(n1==*H)?(n2>n3?n2:n3):(n2>n3?(n1>n3?n1:n3):(n1>n2?n1:n2));
}

float sumaver(float H,float S_H)
{
    float sum=H+S_H;
    printf("\nThe Sum of %.2f and %.2f is %.2f\n ",H,S_H,sum);
```

```c
    float sum=H+S_H;
    printf("\nThe Sum of %.2f and %.2f is %.2f\n ",H,S_H,sum);
    return((H+S_H)*.5);
}

void printeven(float H,float S)
{
    int x=floor(S),y=ceil(H);
    x= x%2==0?(x+2):(x+1);
    y= y%2==0?(y-2):(y-1);

    printf("\n\nThe Even numbers between %.2f and %.2f are : \n",S,H);
    while(x<=y)
    {
        printf("\t %d ",x);
        x=x+2;
    }
}
```

OUTPUT

```
Enter the three numbers:
4.5
3
8

The Sum of 8.00 and 4.50 is 12.50

The Average of Highest(8.00) and Second highest(4.50) is : 6.25

The Even numbers between 4.50 and 8.00 are :
        6
Process returned 0 (0x0)   execution time : 19.055 s
Press any key to continue.
```