#include <stdio.h>

float lati,longi,x,y,Seconds ;

int Degrees, Minutes;

void main()

{

printf("Lat = ");

scanf("%f", &lati);

Degrees = lati;

x = lati-Degrees;

x = x\*60;

Minutes = x;

y = x - Minutes;

Seconds = y\*60;

if (lati>0)

{

printf(" %d Degrees %d Minutes %f Seconds N", Degrees, Minutes, Seconds);

}

else

{

Degrees=Degrees\*(-1);

Minutes=Minutes\*(-1);

Seconds=Seconds\*(-1);

printf(" %d Degrees %d Minutes %f Seconds S" ,Degrees,Minutes,Seconds);

}

printf("\nLong = ");

scanf("%f", &longi);

Degrees = longi;

x = longi-Degrees;

x = x\*60;

Minutes = x;

y = x - Minutes;

Seconds = y\*60;

if (longi>0)

{

printf(" %d Degrees %d Minutes %f Seconds E", Degrees, Minutes, Seconds);

}

else

{

Degrees=Degrees\*(-1);

Minutes=Minutes\*(-1);

Seconds=Seconds\*(-1);

printf(" %d Degrees %d Minutes %f Seconds W" ,Degrees,Minutes,Seconds);

}

}