Temperature Program

#include <stdio.h>

int main()

{

char select\_original,select\_converted;

float value,f,c,k;

printf("Input origianl value: ");

scanf("%f",&value);

printf("Select origianl temperature scale: ");

scanf(" %c",&select\_original);

if(select\_original=='f')

{

printf("Select converted temperature scale: ");

scanf(" %c",&select\_converted);

if(select\_converted=='c')

{

c=((value-32)\*5)/9;

printf("\n%.0f F = %.2f C",value,c);

}

else if(select\_converted=='k')

{

k=(((value-32)\*5)/9)+273.15;

printf("\n%.0f F = %.2f K",value,k);

}

}

else if(select\_original=='c')

{

printf("Select converted temperature scale: ");

scanf(" %c",&select\_converted);

if(select\_converted=='f')

{

f=(value\*9/5)+32;

printf("\n%.0f C = %.2f F",value,f);

}

else if(select\_converted=='k')

{

k=value+273.15;

printf("\n%f C = %.2f K",value,k);

}

}

else if(select\_original=='k')

{

printf("Select converted temperature scale: ");

scanf(" %c",&select\_converted);

if(select\_converted=='f')

{

f=(((value-273.15)\*9)/5)+32;

printf("\n%.0f K = %.2f F",value,f);

}

else if(select\_converted=='c')

{

c=value-273.15;

printf("\n%.0f K = %.2f C",value,c);

}

}

return 0;

}