/\*A program to print

columns of numbers:number, the Square

the Square Root, and the Sine. From

start S to end E\*/

#include <stdio.h>

#include <stdlib.h>

#include <math.h>

int main(void){

//constants

int start;

int end;

//introduction

printf("\nThe program: \n\n");

//scan for Start and End numbers

printf("Enter your Start Number: ");

scanf("%d", &start);

printf("\nEnter your End Number: ");

scanf("%d", &end);

//column headers

printf("\n%3s%14s%16s%12s","N","Squared","Square Root","Sine");

printf("\n%s%12s%16s%14s\n","-----","-------","-----------","--------");

//rows

for(start; start<=end; start++) {

printf("%4d%12d%16.3f%13.3f\n",start,(int)pow(start,2),sqrt((double)start),sin((double)start));

}

//program ends

return EXIT\_SUCCESS;

}