```c
/* program for input kilometers and output miles and feet.

1 km = 0.62137 miles
1 mile= 1/.62137 km
1 mile = 5280 feet
1 yard = 3 feet 1 foot = 12 inches 1cm = 2.54 inches
*/

#include <stdio.h>        /* include directive */
#include <math.h>         /* include directive to use math header function */

int main()                /* main function heading */
{
  double km,miles,milesbottom,decimalpart,feet;    /* real numbers */
  const double km_per_mile = 0.62137;              /* constant real number */

  printf("Enter the value in kilometers\n");       /* enter the input */
  scanf("%lf", &km);                               /* stores that value */

  miles = km*km_per_mile;                          /* formula */

  milesbottom = floor(miles);
  decimalpart = miles-milesbottom;
  feet = decimalpart*5280;


    printf("distance = %.2fkm\n",km);              /* this calls the output
values */
    printf("distance = %.4f miles\n",miles);
    printf("distance = %.0f miles and %.2f feet\n",milesbottom,feet);


  return 0;                                        /* final statement of
main function */
}
```