#include <stdio.h>

#include <stdlib.h>

#include <string.h>

#define DELIM "."

int valid\_digit(char \*ip\_str)

{

    while (\*ip\_str) {

        if (\*ip\_str >= '0' && \*ip\_str <= '9')

            ++ip\_str;

        else

            return 0;

    }

    return 1;

}

int is\_valid\_ip(char \*ip\_str)

{

    int i, num, dots = 0;

    char \*ptr;

    if (ip\_str == NULL)

        return 0;

 ptr = strtok(ip\_str, DELIM);

    if (ptr == NULL)

        return 0;

    while (ptr) {

       if (!valid\_digit(ptr))

            return 0;

        num = atoi(ptr);

      if (num >= 0 && num <= 255) {

            ptr = strtok(NULL, DELIM);

            if (ptr != NULL)

++dots;

        } else

            return 0;

    }

   if (dots != 3)

        return 0;

    return 1;

}