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int read_line(char str[], int n);

int main(void)
{
    char reminders[MAX_REMIND][MSG_LEN+3];
    char day_str[3], msg_str[MSG_LEN+1];
    int day, i, j, num_remind = 0;

    for (;;) {
        if (num_remind == MAX_REMIND) {
            printf("-- No space left --\n");
            break;
        }

        printf("Enter day and reminder: ");
        scanf("%2d", &day);
        if (day == 0)
            break;
        sprintf(day_str, "%2d", day);
        read_line(msg_str, MSG_LEN);

        for (i = 0; i < num_remind; i++)
            if (strcmp(day_str, reminders[i]) < 0)
                break;
        for (j = num_remind; j > i; j--)
            strcpy(reminders[j], reminders[j-1]);

        strcpy(reminders[i], day_str);
        strcat(reminders[i], msg_str);

        num_remind++;
    }

    printf("\nDay Reminder\n");
    for (i = 0; i < num_remind; i++)
        printf(" %s\n", reminders[i]);

    return 0;
}

int read_line(char str[], int n)
{
    int ch, i = 0;

    while ((ch = getchar()) != '\n')
        if (i < n)
            str[i++] = ch;
    str[i] = '\0';
    return i;
}

```

Although remind.c is useful for demonstrating the strcpy, strcat, and strcmp functions, it lacks something as a practical reminder program. There are