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```c
#include <stdio.h>
int main()
{
    int N, A, S, X;
    int i = 1, present = 0, absent = 0;
    printf("Please input the total number of registered students: ");
    scanf("%d", &N);
    printf("Please input the minimum attendance required: ");
    scanf("%d", &A);
    printf("Please input the absence threshold: ");
    scanf("%d", &S);
    printf("Please input the number of attended sessions for each student: ");
    for (i = 1; i <= N; i++)
    {
        if (absent <S)
        {
            printf("Student number: %02d", i);
            printf("X: ");
            scanf("%d", &X);
            printf("Student status: ");
            if (X <A)
            {
                absent++;
                printf("Absent");
            }

            else
            {
                present++;
                printf("Present");
            }

            printf("Present students: %d", present);
            printf("Absent students: %d", absent);
        }

    }

    printf("Total processed students: %d", present + absent);
    printf("Present students: %d", present);
    printf("Absent students: %d", absent);
    if (absent <S)
    {
        printf("Session Valid");
    }

    else
    {
        printf("Session cancelled");
```

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    }

    return 0;
}
```