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#include <stdio.h>
int main()
{
    int N, A, S, X, P = 0, T = 0, i = 1;
    printf("Enter the number of registered students\n");
    scanf("%d", &N);
    printf("Enter the minimum attendance required\n");
    scanf("%d", &A);
    printf("Enter the absence threshold\n");
    scanf("%d", &S);
    while (i <= N && T < S)
    {
        printf("Enter the number of attended sessions\n");
        scanf("%d", &X);
        if (X < A)
        {
            T = T + 1;
        }
        else
        {
            P = P + 1;
        }

        printf("the number of the students is %d", i);
        printf("the number of present student is %d", P);
        printf("the number of absents student is %d", T);
        i++;
    }

    printf("the total number of absent student is %d", T);
    printf("the total number of present student is %d", P);
    if (S >= T)
    {
        printf("The session valid");
    }
    else
    {
        printf("the session cancelled");
    }

    printf("the total processed student is %d", i);
    return 0;
}
```