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#include <stdio.h>
int main()
{
    int N, A, S;
    printf("Enter Total number of registered students: ");
    scanf("%d", &N);
    printf("Enter number of minimum attendance required: ");
    scanf("%d", &A);
    printf("Enter number of absence threshold: ");
    scanf("%d", &S);
    while (i <= N || B == S)
    {
        int B = 0;
        int P = 0;
        printf("Enter the number of absence of student n %d", i);
        scanf("%d", &X);
        if (i == N || B == S)
        {
            printf("Total processed students is %d", i);
            printf("Present students is %d", P);
            printf("Absent students is %d", B);
            if (B == S)
            {
                printf("Session status is cancelled");
            }
            else
            {
                printf("Session status is valid");
            }
        }
        if (X < A)
        {
            B++;
        }
        else
        {
            P++;
        }
    }
    return 0;
}
```