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#include <stdio.h>
int main()
{
    int N, A, S, X, B = 0, P = 0;
    printf("enter total number of registered student: ");
    scanf("%d", &N);
    printf("enter minimum attendance required: ");
    scanf("%d", &A);
    printf("enter absence threshold: ");
    scanf("%d", &S);
    for (i = 1; i <= N; i++)
    {
        printf("enter the number of attended session: ");
        scanf("%d", &X);
        if (X < A)
        {
            printf("student absent");
            B = B + 1;
            printf("absent students = %d", B);
        }

        else
        {
            printf("student present");
            P = P + 1;
            printf("present students = %d", P);
        }

        if (X < S)
        {
            printf("session cancelled");
        }

        else
        {
            printf("session valid");
        }

        return 0;
    }
}
```