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```c
#include <stdio.h>
int main()
{
    int N, A, 5, X, absence = 0, attended = 0, random = 1;
    printf("enter the number of registered students");
    scanf("%d", &N);
    printf("enter the number of minimum attendance");
    scanf("%d", &A);
    printf("enter the number of absence threshold");
    scanf("%d", &S);
    for (i = 1; i <= N && absence <= S; i++)
    {
        printf("enter the number of attended sessions for student %d\n", i);
        scanf("%d", &X);
        if (X <A)
        {
            if (random)
            {
                printf("the student %d has attended", i);
                attended = attended + 1;
            }

            else
            {
                printf("the student %d is absent", i);
                absence = absence + 1;
            }

        }

    }

    printf("attended = %d, absent = %d", attended, absence);
    printf("Total attended : %d \n Total absence : %d \n", attended, absence);
    if (absence == S)
    {
        printf("session invalid");
    }

    else
    {
        printf("session valid");
    }

    return 0;
}
```