

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

        else
        {
            printf("The student is present");
            present++;
            printf("The number of students present now is: %d", present);
        }

        if (absent == S)
        {
            printf("The simulation stop");
        }

        printf("The total processed students is %d", i);
        printf("The total present students is: %d", present);
        printf("The total absent students is: %d", absent);
        if (absent >= S)
        {
            printf("Session Cancelled");
        }

        else
        {
            printf("Session Valid");
        }

        return 0;
    }
}
```

