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```c
#include <stdio.h>
int main()
{
    int N, A, S, C = 0, B = 0, i, P, X;
    printf("Enter the total number of registerd students");
    scanf("%d", &N);
    printf("Enter the minimum attendance required");
    scanf("%d", &A);
    printf("Enter the absence threshold");
    scanf("%d", &S);
    while (i <= N && i <S)
    {
        // Switch case (i) printf("Enter the number of attended sessions of student: %d", i
        scanf("%d", &X);
        if (X <A)
        {
            C = C + 1;
        }

        else
        {
            B = B + 1;
        }

        printf("the number of present students is: %d", B);
        printf("the number of absent students is: %d", C);
        if (B>= A && C <S)
        {
            printf("session Valid");
        }

        if (B <A && C>= S)
        {
            printf("session cancelled");
        }

    }

    P = B + C;
    printf("the number of total processed students is: %d", P);
    return 0;
}
```