

Input reading: 3pts | Initialization: 3 pts | Loop condition: 4 pts | Counters logic: 4 pts | Stop conditions: 3 | Final output: 3

```

#include <stdio.h>
int main() {
    int i, N, A, S, X, Z = 0, V = 0;
    printf("Enter the number of student");
    scanf("%d", &N);
    printf("Enter the minimum attendance required");
    scanf("%d", &A);
    printf("Enter the absence threshold");
    scanf("%d", &S);

    for (i = 1, i <= N, i++) {
        while (Z < S) {
            printf("Enter the number of attender sessions %d: ", i);
            scanf("%d", &X);

            if (X > A) {
                V = V + 1;
                printf("the student %d is present", i);
            }
            else (X < A) {
                Z = Z + 1;
                printf("the student %d is absent", i);
            }
        }
    }

    printf("The number of student absent is: %d", Z);
    printf("The number of student present is: %d", V);

    if (V > A) {
        printf("Session valid");
    }
    else (V < A) {
        printf("Session cancelled");
    }

    return 0;
}

```

```
#include <stdio.h>
int main()
{
    int i, N, A, S, X, Z = 0, V = 0;
    printf("Enter the number of student");
    scanf("%d", &N);
    printf("Enter the minimum attendance required");
    scanf("%d", &A);
    printf("Enter the absence threshold");
    scanf("%d", &S);
    for (i = 1; i <= N; i++)
    {
        while (Z < S)
        {
            printf("Enter the number of attender sessions %d: ", i);
            scanf("%d", &X);
            if (X > A)
            {
                V = V + 1;
                printf("the student %d is present", i);
            }

            else if (X < A)
            {
                Z = Z + 1;
                printf("the student %d is absent", i);
            }
        }
    }

    printf("the number of student absent is: %d", Z);
    printf("the number of student present is: %d", V);
    if (V > A)
    {
        printf("session valid");
    }

    else
    {
        printf("session cancelled");
    }

    return 0;
}
```

Analyse :

Algorithmique :

- Double boucle `for` (étudiants) + `while` (tant que $Z < S$??).
- Le `while` à l'intérieur demande de saisir des sessions tant que le seuil global d'absence n'est pas atteint ?
- Confusion entre seuil global et saisie individuelle.
- Si un étudiant a $X > A$, \forall augmente. Le `while` ne s'arrête que si $Z < S$. Si l'étudiant est présent, Z ne change pas -> Boucle infinie sur la saisie du même étudiant ?

NOTE FINALE : 08 / 20

Feedback :

- **Appréciation globale : Fragile.** Risque de boucle infinie.
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