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تعليمات إلزامية : كتابة البرنامج كاملاً داخل main | استعمال حلقة واحدة فقط | يمنع استعمال المصفوفات، الدوال، break / continue

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 attended 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;
}
```

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```
#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;
}
```

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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 $X > A$, v 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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