

Copy number : 15

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 N, A, S, X, P = 0, T = 0, i = 1;
    printf("Enter the number of registered student\n");
    scanf("%d", &N);
    printf("Enter the maximum attendance required\n");
    scanf("%d", &A);
    printf("Enter the absence threshold\n");
    scanf("%d", &S);
    while(i < N && T < S) {
        printf("Enter the number of attended session\n");
        scanf("%d", &X);
        if(X < A) {
            T = T + 1;
        } else {
            P = P + 1;
        }
        printf("the number of the students is %d", i);
        printf("the number of present student is %d", P);
        printf("the number of absent student is %d", T);
        i++;
    }
    printf("the total number of absent student is %d", T);
    printf("the total number of present student is %d", P);
    if(S >= T) {
        printf("The session valid");
    } else {
        printf("The session cancelled");
    }
}
```

```
printf("The total processed student is %d", i);
return 0;
```

## Copy 15

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```
#include <stdio.h>
int main()
{
    int N, A, S, X, P = 0, T = 0, i = 1;
    printf("Enter the number of registered students\n");
    scanf("%d", &N);
    printf("Enter the minimum attendance required\n");
    scanf("%d", &A);
    printf("Enter the absence threshold\n");
    scanf("%d", &S);
    while (i <= N && T < S)
    {
        printf("Enter the number of attended sessions\n");
        scanf("%d", &X);
        if (X < A)
        {
            T = T + 1;
        }
        else
        {
            P = P + 1;
        }

        printf("the number of the students is %d", i);
        printf("the number of present student is %d", P);
        printf("the number of absents student is %d", T);
        i++;
    }

    printf("the total number of absent student is %d", T);
    printf("the total number of present student is %d", P);
    if (S >= T)
    {
        printf("The session valid");
    }
    else
    {
        printf("the session cancelled");
    }

    printf("the total processed student is %d", i);
    return 0;
}
```

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### Analyse :

#### Algorithmique :

- Initialisation correcte ( $P=0$ ,  $T=0$ ).
- Boucle while ( $i \leq N \ \&\& \ T < S$ ) : **Excellent condition.** Gère les deux cas d'arrêt avec un ET logique.
- Saisie et tests corrects.
- Incrémantation correcte.
- Affichages complets.
- Décision finale correcte.

### Notation :

Critère	Points	Commentaire
Lecture N, A, S	3 / 3	Correct.
Initialisation	3 / 3	Correct.
Condition boucle	4 / 4	Parfaite ( $\&\&$ ).
Logique prés./abs.	4 / 4	Correct.
Compteurs	3 / 3	Correct.
Affichages inter.	2 / 2	Correct.
Affichage final	1 / 1	Correct.

NOTE FINALE : 20 / 20

### Feedback :

- Points forts** : Code parfait. Respect total des contraintes et de la logique. Bravo.
- Appréciation globale : Très Bon.**