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تعليمات إلزامية : كتابة البرنامج كاملًا 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;
   int i=1, present=0, absent=0;
   printf("Please input the total number of registered students: ");
   scanf("%d, &N);
   printf("Please input the minimum attendance required: ";
   scanf("%d, &A);
   printf("Please input the absence threshold: ");
   scanf("%d, &S);
   printf("\n Please input the number of attended sessions for each student:\n\n");
   for(i=1;i<=N;i++){
      if(absent<S){
         printf("Student number: %02d \n", i);
         printf("X: ");
         scanf("%d", &X);
         printf("Student status: ");
         if(X<A){
            absent++;
            printf("Absent \n");}
         else {
            present++;
            printf("Present \n");};
         printf("Present students: %d \n", present);
         printf("Absent students: %d\n\n", absent);};
   };
   printf("Total processed students: %d\n", present+absent);
   printf("Present students: %d \n", present);
   printf("Absent students: %d \n", Absent);
   printf("Final status:\n");
   if(absent<=S){printf("Session Valid");}
   else{printf("Session Cancelled");};
   return 1;
}
```

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```
#include <stdio.h>
int main()
{
   int N, A, S, X;
   int i = 1, present = 0, absent = 0;
   printf("Please input the total number of registered students: ");
   scanf("%d", &N);
   printf("Please input the minimum attendance required: ");
   scanf("%d", &A);
   printf("Please input the absence threshold: ");
   scanf("%d", &S);
   printf("Please input the number of attended sessions for each student: ");
   for (i = 1; i <= N; i++)
   {
       if (absent <S)
       {
           printf("Student number: %02d", i);
           printf("X: ");
           scanf("%d", &X);
           printf("Student status: ");
           if (X <A)
           {
               absent++;
               printf("Absent");
           }

           else
           {
               present++;
               printf("Present");
           }

           printf("Present students: %d", present);
           printf("Absent students: %d", absent);
       }

   }

   printf("Total processed students: %d", present + absent);
   printf("Present students: %d", present);
   printf("Absent students: %d", absent);
   if (absent <S)
   {
       printf("Session Valid");
   }

   else
   {
       printf("Session cancelled");
```

```
    }

    return 0;
}
```

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Analyse :

Algorithmique :

- Boucle `for` sur N.
- A l'intérieur, `if (absent < S)`. C'est une façon valide de gérer l'arrêt (ne plus rien faire si seuil atteint).
- Logique correcte.
- Affichage `Student number: %02d`. Soigné.

Notation :

Critère	Points	Commentaire
Lecture N, A, S	3 / 3	OK.
Condition boucle	3 / 4	Arrêt géré par un `if` englobant. Fonctionnel.
Logique prés./abs.	4 / 4	OK.
Compteurs	3 / 3	OK.
Affichages inter.	2 / 2	OK.
Affichage final	1 / 1	OK.

NOTE FINALE : 19 / 20

Feedback :

- **Appréciation globale** : **Très Bon**.
