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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 ;
int P = 0, b = 0 ;
  printf ("enter total number of registred students") ;
  scanf ( "%d", & N) ;
  printf ( " enter minimum attendance required" ) ;
  scanf ( "%d", & A ) ;
  printf ( " enter absence threshold " ) ;
  scanf ( "%d", & S ) ;

  while ( P != N && b != S ) {
    printf ( " enter the number of attented sessions x" ) ;
    scanf ( "%d", & x ) ;
      if ( x < A ) {
      b = b + 1 ; }
    else {
      P = P + 1 ; }
    if ( b == S ) {
    printf ( " session cancelled " ) ; }
     else {
       printf ( " session valid " ) ; }

  return 0 ; }
```

Printf ("%d , Presents", "%d absents", P, b)

Copy 1

```
#include <stdio.h>
int main ( )
{
   int N, A, S;
   int p = 0, b = 0;
   printf ( " enter total number of registed students " );
   scanf ( " %d ", & N );
   printf ( " enter minimum attendance required " );
   scanf ( " %d ", & A );
   printf ( " enter absence threshold " );
   scanf ( " %d ", & S );
   while ( p != N && b != S )
   {
       printf ( " enter the number of attended sessions x " );
       scanf ( " %d ", & x );
       if ( x <A )
       {
           b = b + 1 ;
       }

       else
       {
           p = p + 1 ;
       }

       printf ( " %d , Presents " , " %d absent" , p , b ) if ( b == S )
       {
           printf ( " session cancelled " );
       }

       else
       {
           printf ( " session valid " );
       }

       return 0 ;
   }
```

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Analyse :

Algorithmique :

- Lecture N, A, S OK.
- Boucle `while (p != N && b != S)`. Arrêt si nombre de présents atteint N (impossible si absents) ou absents atteint S. Correct ? Non, `p+b` doit être égal à N. `p!=N` seul ne suffit pas comme condition d'arrêt général (si 1 absent, p n'atteindra jamais N). La boucle risque d'être infinie si on atteint pas S.
- Logique interne correcte.
- Syntaxes incorrectes (ex: `printf(..., " %d absent" , p , b)`).

NOTE FINALE : 11 / 20

Feedback :

- **Appréciation globale** : **Passable**. Boucle potentiellement infinie.
