Copy number : 21

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, i, present = 0, absent = 0, a;
    printf("Enter the total number of registered students:");
    scanf("%d", &N);
    printf("Enter the minimum attendance required: ");
    scanf("%d", &A);
    printf("Enter absent threshold: ");
    scanf("%d", &S);
for( i = 1, i <= N, i ++) {
  a = i;
printf(" the student number %d \n", i);
printf("present students %d\n", present);
printf("absent students %d \n", absent);
printf("How many attended sessions:\n");
scanf("%d", X);
        if (X < A) {
          absent = absent + 1;
        else
          present = present + 1; }
        if (absent == S)
          i = N + 1;
}
printf( if (absent == S){
          printf("%d", a); // proceed students if we reach S
        else
          printf("%d", N); } // proceed students normally
      printf("present students %d", present);
      printf("absent students %d", absent);
      if ( present >= A && absent <= S)
      session valid;
      else
       session invalid;
       return 0;
```

Copy 21

```
#include <stdio.h>
int main ( )
{
   int N, A, S, X, i, present = 0, absent = 0, a ;
   print f ( " Enter the total number of registered students: " ) ;
   Scanf ( " %d ", & N ) ;
   print f ( " Enter the minimum attendance required: " ) ;
   Scanf ( " %d ", & A ) ;
   print f ( " Enter absent threshold: " ) ;
   Scanf ( " %d ", & S ) ;
   for ( i = 1, i <= N, i ++ )
   {
       a = i ;
       print f ( " the student number %d \n ", i ) ;
       print f ( " present students %d \n ", present ) ;
       print f ( " absent students %d \n ", absent ) ;
       print f ( " How many attended sessions: \n " ) ;
       Scanf ( " %d ", & X ) ;
       if ( X <A )
       {
           absent = absent + 1 ;
           else present = present + 1 ;
       }

       if ( absent == S ) i = N + 1 ;
   }

   if ( absent == S )
   {
       print f ( " %d ", a ) ;
       // proceed students if we reach S else print f ( " %d ", N ) ;
   }

   // proceed students normally print f ( " present students %d ", present ) ;
   print f ( " absent students %d ", absent ) ;
   if ( present>= A && absent <= S ) session valid ;
   else session invalid ;
   return 0 ;
```

COPY NUMBER: 21

Analyse :

Algorithmique :

- `stdio.P`.
- Syntaxe `for` virgules.
- `if (absent == S) i = N + 1`. Sortie manuelle boucle. OK.
- Condition finale `if (present >= A && absent <= S)`. Présent > A ? Condition inventée. Validité dépend uniquement de Absent < S.

NOTE FINALE : 10 / 20

Feedback :

- **Appréciation globale** : **Passable**.
