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

Input reading: 3 pts | 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, n=0;
    int OS = 0;
    int PS = 0;
    printf("enter number of students \n");
    scanf("%d", &N);
    printf("enter minimum attendance required \n");
    scanf("%d", &A);
    printf("enter absence threshold \n");
    scanf("%d", &S);
    for (i=1; i <= N; i++) {
        if (i!=N && OS < S) {
            printf("enter number of attended sessions \n");
            scanf("%d", &X);
            if (X < A) {
                OS = OS + 1;
            } else {
                PS = PS + 1;
            }
            printf("%d\n", OS);
            printf("%d\n", PS);
            printf("%d\n", i);
            n=n+1;
        } if (n < S)
            printf("الامتحان ملغى \n");
        else
            printf("results will be available \n");
    }
}
```

الإجابة

```
printf("%d\n", OS);
printf("%d\n", PS);
printf("%d\n", n);
return 0;
```

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```
#include <stdio.h>
int main()
{
    int N, A, S, x, i, n = 0;
    int OS = 0;
    int PS = 0;
    printf("enter number de students\n");
    scanf("%d", &N);
    printf("enter minimum attendance required\n");
    scanf("%d", &A);
    printf("enter absence threshold\n");
    scanf("%d", &S);
    for (i = 1; i <= N; i++)
    {
        if (i <= N && OS < S)
        {
            printf("enter number of attended sessions\n");
            scanf("%d", &x);
            if (x < A)
            {
                OS = OS + 1;
            }
            else
            {
                PS = PS + 1;
            }
            printf("%d", OS);
            printf("%d", PS);
            printf("%d", i);
        }
        n = n + i;
    }

    if (n < S)
    {
        printf("Exam valid");
    }
    else
    {
        printf("Exam cancelled");
    }
}

return 0;
}
```

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Analyse :

Algorithmique :

- Condition `if (i <= N && OS < S)` à l'intérieur de la boucle `for` ? Redondant mais ok.
- Calcul `n = n + i` (somme des indices ?). Inutile.
- Variables OS, PS ok.

NOTE FINALE : 14 / 20

Feedback :

- Appréciation globale : Moyen / Bon.
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