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#include <stdio.h>
#include <stdlib.h>
int main()
{
    int N, A, S, F, E, Y, O, X;
    int i;
    printf("Enter the total number of registered students: \n");
    scanf("%d", &N);
    printf("Enter the minimum attendance required: \n");
    scanf("%d", &A);
    printf("Enter the absence threshold: ");
    scanf("%d", &S);
    for (i = 1; i <= N; i++)
    {
        printf("Enter the number of attended sessions of the student %d: \n", i);
        scanf("%d", &X);
        if (X < A)
        {
            printf("The student %d is absent: \n", i);
            Y = Y + 1;
            printf("the number of absent student is: %d \n", Y);
            printf("the number of present student is: %d \n", E);
        }
        else
        {
            printf("The student %d is present: \n", i);
            E = E + 1;
            printf("the number of absent student is: %d \n", Y);
            printf("the number of present students is: %d \n", E);
        }
        if (Y == S)
        {
            i = N;
        }
    }
    O = Y + E;
    printf("Total processed students are: %d \n", O);
    printf("the total number of absent students are: %d \n", Y);
    printf("the total number of present students are: %d \n", E);
    if (Y > S)
    {
        printf("the session is valid");
    }
    else
```

```
{  
    printf("the session is cancelled");  
}  
  
return 0;  
}
```