

```
#include <stdio.h>
int main()
{
    // read A, N, S
    int i = 1;
    int present = 0;
    int absent = 0;
    while (i <= N && absent < S)
    {
        // read x
        if (x < A)
        {
            absent++;
        }

        else
        {
            present++;
        }

        // print i, present, absent
        i++;
    }

    if (absent == S)
    {
        printf("session cancelled");
    }

    else
    {
        printf("session valid");
    }

    return 0;
}
```