

Copy number :

1

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

Input reading:3pts | Initialization:3 pts | Loop condition: 4 pts | Counters logic: 4 pts | Stop conditions: 3 | Final output:3

```
# include < stdio.h >
# include < stdio.h >
int main () {
    const N;
    int A, S;
    printf ("Enter the total number of registered students");
    scanf ("%d", &N);
    printf ("Enter the minimum attendance required");
    scanf ("%d", &A);
    printf ("Enter the absence threshold");
    scanf ("%d", &S);
    int i, x;
    for (i = 0 ; i <= x ; i++) {
        printf ("Enter x");
        if (x < A) {
            printf ("the student is absent");
        } else {
            printf ("the student is present");
        }
        scanf ("%d", &x);
    }
    printf ("%d %d", number of present and absent students);
    if (number of Absent student > S) {
        printf ("Session cancelled");
    } else {
        printf ("Session valid");
    }
    return 0;
}
```

Copy number :

2

تعليمات إلزامية : كتابة البرنامج كاملاً 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, M;
    printf("Enter The total number of registered students");
    scanf("%d", &N);
    printf("Enter The minimum attendance required");
    scanf("%d", &A);
    printf("Enter The absence threshold");
    scanf("%d", &S);
    printf("The number of attended Sessions");
    scanf("%d", &X);
    for (int i = 1; i <= N || i <= S; ++i) {
        if (x < A) {
            printf("absence Students");
        } else {
            printf("Present Students");
        }
        if (i >= S) {
            printf("Session Failed");
        } else {
            printf("Session Passed");
        }
        printf("\n");
    }
    return 0;
}
```

Copy number : 3

تعليمات إلزامية : كتابة البرنامج كاملاً داخل main | استعمال حلقـة 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

```
int main();
    int N, A, S, X;
    printf("Enter total number of registered students");
    scanf("%d", &N);
    printf("Enter minimum attendance required");
    scanf("%d", &A);
    printf("Enter absence threshold");
    scanf("%d", &S);
    read the number of attended sessions x;
    if x < A;
        for ("the student is considered absent");
    if x >= A;
        for ("the student is present");
        if x < A < n = A;
            for ("absent students");
        if n >= A < x < A;
            for ("present students");
        final status
        Session Valid;
    return 0;
```

Copy number :

٤

تعليمات إلزامية : كتابة البرنامج كاملاً 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

```
int main() {
    int N, A, S, X, i, B, P;
    printf("Enter a total number of registered students:");
    scanf("%d", &N);
    printf("Enter the minimum attendance required:");
    scanf("%d", &A);
    printf("Enter absence threshold:");
    scanf("%d", &S);
    printf("Enter the number of attended sessions");
    for (i = 0; i <= N; i++) {
        scanf("%d", &X);
        if (X < A) {
            printf("The student is absent");
            B += i;
        } else if (X >= A) {
            printf("The student is present");
            P += i;
        }
        break // 5
    }
    printf("present students: %d", P);
    printf("absent students: %d", B);
    if (B >= S) {
        printf("Session cancelled");
    } else if (B < S) {
        printf("Session valid");
    }
    return 0;
}
```

Copy number :

5

تعليمات إلزامية : كتابة البرنامج كاملاً داخل main | استعمال حلة 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

```
int main() {
    int N, S, A, X, i;
    printf ("enter the total num of registered students");
    scanf ("%d", &N);
    for (i=1; i <=N; i++) {
        printf ("enter A in enter m");
        scanf ("%d %d", &A, &X);
        if (X < A) {
            printf ("the student is absent");
        } else {
            printf ("the student is present");
        }
        printf ("enters");
        scanf ("%d", &S);
        if (N >= S) {
            printf ("Session Valid");
        } else {
            printf ("Session cancelled");
        }
    }
    return 0;
}
```

Copy number :

6

تعليمات إلزامية : كتابة البرنامج كاملاً 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 = 0;
    printf("enter the N:");
    scanf("%d", &N);
    printf("enter the A:");
    scanf("%d", &A);
    printf("enter the S:");
    scanf("%d", &S);
    printf("enter the x:");
    scanf("%d", &x);
    while (i < N) {
        if (x < A) {
            printf("the student is considered absent");
        } else {
            printf("the student is considered present");
        }
        if (absent < S) {
            printf(" is valid");
        }
    }
}
```

Copy number : ٧

تعليمات إلزامية : كتابة البرنامج كاملاً 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 A, N, S, n; // Input data
    printf ("enter the number of total registered students = ");
    scanf ("%d", &N);
    printf ("enter the minimum attendance required = ");
    scanf ("%d", &A);
    printf ("enter the absence threshold = ");
    scanf ("%d", &S);
    for (int i = 1; i <= N; i++) {
        if (i < A) // for each student
            printf ("the student is considered absent");
        else
            printf ("the student is present");
        if (i == N || N == S)
            printf ("simulation stop.");
        if (A < i)
            printf ("the session valid");
        else
            if (A < i)
                printf ("the session cancelled");
    }
    return 0;
}
```

Copy number :

8

تعليمات إلزامية : كتابة البرنامج كاملاً 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, i = 1, X, Present S, Absent S, Processed S;

scanf ("%d %d %d", &N, &A, &S);

printf ("Enter the number of attended sessions");

scanf ("%d", &X);

for (i = 1, i <= N, i++) {

- if (X < A) {

printf ("the student is absent");

} else {

printf ("the student is present : "); }

printf ("%d is the number of present students", Present S);

printf ("%d is the number of absent students", Absent S);

. if (i == N || Absent S == S) {

printf ("stop the simulation !!");

} else

* printf (* Enter the number of present students *);

scanf ("%d", &Present S);

printf ("Session Valid");

scanf ("%d", &Absent S);

printf ("Session cancelled");

return 0; }

}

Copy number :

9

تعليمات إلزامية : كتابة البرنامج كاملاً 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, i = 0, sum = 0;
    printf("enter the total number registered students : ");
    scanf("%d", &n);
    printf("enter the minimum attendance required : ");
    scanf("%d", &a);
    printf("enter the absence threshold ");
    scanf("%d", &s);
    for(i = 0; i <= n; i++)
    {
        scanf("%d", &n);
        if(a > n)
        {
            sum = sum + 1;
            printf("absent students : %d", sum);
        }
        if(a <= n)
        {
            sum += sum;
            printf("present students : %d", sum);
        }
        if(n == n || n == s)
        {
            printf("stop in");
        }
        if(a > s)
        {
            printf("Session Cancelled");
        }
        else if(s > a)
        {
            printf("Session Valid");
        }
    }
    return 0;
}
```

Copy number :

10

تعليمات إلزامية : كتابة البرنامج كاملاً 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

```
// Pres = the present student  
// Abs = the absent student  
// St = Step = student  
#include <stdio.h>  
int main(){  
    int N, A, S, Pres=0, Abs=0, St=0;  
    scanf ("%d %d %d", &N, &A, &S);  
    while (St != N || Abs != S){  
        St++;  
        int x;  
        scanf ("%d", &x);  
        if (x < A) {Abs++}  
        else  
            Pres++;  
    printf ("Present: %d", Pres);  
    printf ("Absent: %d", Abs);  
    printf ("Step: %d", St);  
    printf ("Students: %d, Present: %d, Absent: %d", St, Pres, Abs);  
    if (Abs < S)  
        printf ("Valid Session");  
    else  
        printf ("Concealed Session");  
    return 0;}
```

Copy number :

11

تعليمات إلزامية : كتابة البرنامج كاملاً 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;
    printf ("Enter The total number of registered students, N");
    scanf ("%d", &N);
    printf ("Enter The minimum attendance required, A");
    scanf ("%d", &A);
    printf ("Enter The absence threshold, S");
    scanf ("%d", &S);
    if (X < A) {
        printf ("The student is considered absent ");
    } else {
        printf ("The student is present");
    }
    for (i = 1, j = 1; i <= N; i++) {
        if (S >= i) {
            j++;
        }
    }
    if (j >= N) {
        printf ("Session valid");
    } else {
        printf ("Session cancelled");
    }
    return 0;
}
```

Copy number : 12

تعليمات إلزامية : كتابة البرنامج كاملاً 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, Absent, Present, Sessions;
    printf ("Enter the number of registered Students:");
    scanf ("%d", &N);
    printf ("Enter the minimum attendance registered:");
    scanf ("%d", &A);
    printf ("Enter the absence threshold:");
    scanf ("%d", &S);
    for (int i=0; i <= N || i <= S; i++) {
        printf ("Student number: %d", i);
        printf ("Number of attended Sessions:");
        scanf ("%d", &X);
        if (X < A) {
            printf ("Absent");
            Absent += i;
            printf ("Absent number: %d", Absent);
        }
        else {
            printf ("Present");
            Present += i;
            printf ("Present number: %d", Present);
        }
    }
    printf ("student number: %d", i);
    printf ("Present student : %d", Present);
    printf ("Absent student : %d", Absent);
    if (Session >= S) {
        printf ("Sessions cancelled");
    }
    else {
        printf ("Sessions Valid");
    }
}
```

Copy number :

13

تعليمات إلزامية : كتابة البرنامج كاملاً 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, $,
    Printf("Enter the total number: ");
    Scanf("%d", &total);
    Printf("Enter the minimum number of registered student: ");
    Scanf("%d", &minnum);
    Printf("Enter the absence threshold: ");
    Scanf("%d", absencethreshold);
```

Printf("Enter the number of attended sessions X:");

while if (X < A) {
 X = absent;
 else
 X = Present;

i++;
Printf("the student number:");

X = Present;
~~Printf~~ else
 X = Absent;

Printf("Enter the final status of exam:");

return 0;

}

Copy number :

14

تعليمات إلزامية : كتابة البرنامج كاملاً 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,S,A,X;
    printf ("Enter the number of registered students = ");
    scanf ("%d", &N);
    printf ("Enter the number of attendances required = ");
    scanf ("%d", &A);
    printf ("Enter the absence threshold = ");
    scanf ("%d", &S);
    for (int i=0; i >= N || i < S; i++) {
        printf ("Student number for student: ");
        printf ("Number of student absences: ");
        scanf ("%d", &X);
        if (X < A) {
            printf ("Absent");
            printf ("Absent number = %d", i);
            printf ("A student is absent; %d% Absent");
        } else {
            printf ("Present");
            printf ("Present");
            printf ("Present, %d Present");
        }
        printf ("Student number: %d", i);
        printf ("Present student, %d Absent");
        if (S < i) {
            printf ("Complied");
        } else {
            printf ("Violated");
        }
    }
    return 0;
}
```

Copy number : 15

تعليمات إلزامية : كتابة البرنامج كاملاً 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, P = 0, T = 0, i = 1;
    printf("Enter the number of registered student\n");
    scanf("%d", &N);
    printf("Enter the maximum attendance required\n");
    scanf("%d", &A);
    printf("Enter the absence threshold\n");
    scanf("%d", &S);
    while(i < N && T < S) {
        printf("Enter the number of attended session\n");
        scanf("%d", &X);
        if(X < A) {
            T = T + 1;
        } else {
            P = P + 1;
        }
        printf("the number of the students is %d", i);
        printf("the number of present student is %d", P);
        printf("the number of absent student is %d", T);
        i++;
    }
    printf("the total number of absent student is %d", T);
    printf("the total number of present student is %d", P);
    if(S >= T) {
        printf("The session valid");
    } else {
        printf("The session cancelled");
    }
}
```

```
printf("The total processed student is %d", i);
return 0;
```

Copy number : 16

تعليمات إلزامية : كتابة البرنامج كاملاً داخل main | يمنع 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;
    printf("enter the number of attended between x: ");
    scanf("%d", &x);
    char absent, present;
    if(x < A){
        printf("the student is considered absent");
    } else {
        printf("the student is present");
    }
    int count, na, nb, i = 1;
    while(i <= N)
        printf("enter the number of present student and absent student");
    na = N - na;
    nb = N - nb;
    count++;
    printf("%d", na);
    printf("%d", nb);
    int N, S;
    printf("enter the simulation step");
    if(all students are present or the number of absent student reaches S){
        printf("stop");
    } else {
        printf("Continue");
    }
    int student number, present students, absent students;
    printf("enter student number and present students and absent students");
    scanf("%d %d %d", &student number, &present students, &absent students);
    printf("enter present students");
    printf("enter absent students");
    printf("enter the total present student");
    printf("enter the final status");
    if (S > S) {
        printf("Session valid");
    } else {
        printf("Session cancelled");
    }
}
```

Copy number :

١٧

تعليمات إلزامية : كتابة البرنامج كاملاً 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;
    printf ("N : ");
    scanf ("%d", &N);
    printf ("A : ");
    scanf ("%d", &A);
    printf ("S : ");
    scanf ("%d", &S);
    i = 1;
    while (i < N || i == S) {
        if (x < A) {
            printf ("the student is considered absent");
            printf (" Session cancelled");
        } else {
            printf ("the student is present");
            printf (" Session Valid");
        }
        i++;
    }
    return 0;
}
```

Copy number :

18

تعليمات إلزامية : كتابة البرنامج كاملاً 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; i
    int i = 1;
    printf("entre N: \n");
    scanf("%d", &N);
    printf("entre A and S: \n");
    scanf("%d %d", &A, &S);
    while (i <= N) {
        int x;
        printf("entre x: \n");
        scanf("%d", &x);
        if (x < A) {
            printf("Student is absent");
        } else if (i == S) {
            return 0;
        } else {
            printf("Student is present");
        }
        i++;
    }
    printf("present students %d: \n", present students);
    printf("absent students %d: \n", absent students);
    if (absent students > A) {
        printf("ذئابون");
    } else {
        printf("ذئاب");
    }
    return 0;
}
```

Copy number :

19

تعليمات إلزامية : كتابة البرنامج كاملاً داخل main | يمنع 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;
    printf ("N = ");
    scanf ("%d", &N);
    printf ("A = ");
    scanf ("%d", &A);
    printf ("S = ");
    scanf ("%d", &S);
    int i, X[10], p = 0, a = 0; // p: present students, a = absent students
    for (i = 1; i <= N || a > S; i++) {
        printf ("%d = ", i);
        scanf ("%d", &X[i]);
        if (X[i] < A) {
            printf ("%d absent", i);
            a++;
        } else {
            printf ("%d present", i);
            p++;
        }
        printf ("a = %d", a);
        printf ("p = %d, p", p);
    }
    if (a < S) {
        printf ("Session Invalid");
    } else {
        printf ("Session Cancelled");
    }
    return 0;
}
```

Copy number :

20

تعليمات إلزامية : كتابة البرنامج كاملاً 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, absent = 0, present = 0, N';
    printf("enter total number of registered students: ");
    scanf("%d", &N);
    printf("enter minimum attendance required: ");
    scanf("%d", &A);
    printf("enter absence threshold: ");
    scanf("%d", &S);
    for (int i = 1; i <= N; i++)
    {
        printf("enter the number of attended\n");
        N[i] = i;
        scanf("%d", &X);
        if (A > X)
        {
            printf("The student is absent");
            absent++;
            printf("The Number of student absent\n");
            N[i] = absent;
        }
        else
        {
            printf("The student is present");
            present++;
            printf("The number of students\n");
            present N[i] = present;
        }
        if (absent == S)
        {
            printf("The simulation stop");
        }
    }
    printf("The total processed students\n");
    i % d, i);
    printf("The total present students\n");
    is: % d, present);
    printf("The total absent students\n");
    is: % d, absent);
    N' = N - A;
    if (N' > S)
    {
        printf("Session Cancelled");
    }
    else
    {
        printf("Session Valid");
    }
    return 0;
}
```

Copy number :

21

تعليمات إلزامية : كتابة البرنامج كاملاً 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 i; int N; int S; int A; int X
    for (int x, i=0, i <= X, i++) {
        if (X < A)
            printf ("the student is considered absent");
        else
            printf ("the student is present");
        if (all N student are prosseced or the number of absent student
            research S)
            printf (simulation stop);
        else
            printf (continous the simulation);
        if (S >= A)
            printf (session valid).
        else
            printf (session cancelled); }
    return 0; }
```

Copy number : 22

تعليمات إلزامية : كتابة البرنامج كاملاً داخل main | استعمال حلقة واحدة فقط | يمنع استعمال المصفوقات، 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 ;

printf ("Enter total number of registered students");

scanf ("%d", &N);

printf ("minimum attendance required");

scanf ("%d") &A);

printf ("absence threshold");

scanf ("%d") &S);

for (i = 1; i >= N; i++) {

{ if (x < A)

printf ("The student is absent");

else

printf ("The student is present");}

if (A >= N)

printf ("session valid");

else

printf ("session cancelled");

}

return 0;

}

Copy number : 23

تعليمات إلزامية : كتابة البرنامج كاملاً 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 i;
    int N, A, S;
    printf("Enter N");
    scanf("%d", &N);
    printf("Enter A");
    scanf("%d", &A);
    printf("Enter S");
    scanf("%d", &S);

    for (i = 0; i <= N || i == S; i++) {
        printf("Enter Student number");
        printf("Enter X");
        scanf("%d", &X);
        if (X < A) {
            printf("The student absent");
        } else {
            printf("The student present");
        }
        absent Students = N - present Students;
        printf("%d", absent Student \n);
        present Students = N - absent Students;
        printf("%d", present Students);
        printf("%d", present Students);
        printf("%d", present Students);
        if (absent Students == S) {
            printf("Session cancelled");
        }
    }
}
```

Copy number : ٢٤

تعليمات إلزامية : كتابة البرنامج كاملاً 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 A, N, S;
    printf ("read the number of attended sessions x");
    scanf ("%d", &x);
    "rules for each student"
    if (x < 0)
        printf ("The student is considered absent");
        scanf ("%d\n", absent student);
    else
        printf ("the student is considered present");
        scanf ("%d\n", present student);
    }
    printf ("%d\n" x);
```

stop conditions

```
for (i = N) i = 5 {
    ("i = N; i < N; i++");
    ("j = S; j <= N; j++");
```

j = 5;

```
printf ("Session valid");
printf ("Session canceled");
```

{ return 0;