

```
2
3 int main()
4 {
5     int n;
6
7     // Read the number from the user
8     scanf("%d", &n);
9
10    // Generate and print the multiplication table
11    for (int i = 1; i <= 10; i++)
12    {
13        printf("%d x %d = %d\n", n, i, n * i);
14    }
15
16    return 0;
```

```
// Read the number from the user
scanf("%d", &n);

// Generate and print the multiplication table
for (int i = 1; i <= 10; i++)
{
    printf("%d x %d = %d\n", n, i, n * i);
}

return 0;
}
```

	Input	Expected	Got	
✓	2	2 x 1 = 2 2 x 2 = 4 2 x 3 = 6 2 x 4 = 8 2 x 5 = 10 2 x 6 = 12 2 x 7 = 14 2 x 8 = 16 2 x 9 = 18 2 x 10 = 20	2 x 1 = 2 2 x 2 = 4 2 x 3 = 6 2 x 4 = 8 2 x 5 = 10 2 x 6 = 12 2 x 7 = 14 2 x 8 = 16 2 x 9 = 18 2 x 10 = 20	✓

```
2 ▾ int main() {  
3   long int a, b, c = 0;  
4   scanf("%ld", &a);  
5   scanf("%ld", &b);  
6 ▾ for (int i=0; i<= a; i++) {  
7   c += i;  
8 ▾ if (c== b) {  
9   c = c-1;  
10  }  
11  }  
12  printf("%ld", c % 1000000007);  
13  }
```

	Input	Expected	Got	
✓	2 2	3	3	✓
✓	2 1	2	2	✓
✓	3 3	5	5	✓

Passed all tests! ✓

```
2
3 ▾ int main() {
4     int a, b;
5     scanf("%d", &a);
6     scanf("%d", &b);
7
8     int c[a], d = 0;
9
10 ▾    for (int i = 1; i <= a; i++) {
11 ▾        if ((a % i) == 0) {
12            c[d] = i;
13            d++;
14 ▾            if (d == b) {
15                break;
```

```
16     }  
17     }  
18 }  
19  
20 (d < b) ? printf("0") : printf("%d", c[d - 1]);  
21  
22 return 0;  
23 }
```

	Input	Expected	Got	
✓	10 3	5	5	✓
✓	10 5	0	0	✓
✓	1 1	1	1	✓



```
2  #include<stdlib.h>
3  int main()
4  {
5      int t;
6      scanf("%d",&t);
7      while(t--){
8          int n,k;
9          scanf("%d",&n);
10         int a[n];
11         for(int i=0;i<n;i++)
12             scanf("%d",&a[i]);
13         scanf("%d",&k);
14         for(int i=0;i<n;i++){
15             for(int i=i+1;i<n;i++){
```

```
16 ▼ |
17 |
18 |
19 |
20 |
21 |
22 |
23 |
24 | }
```

```
    if(abs(a[i]-a[j])==k){
        printf("1\n");
        goto next;
    }
}printf("0\n");
next;;
}
```

	Input	Expected	Got	
✓	1 3 1 3 5 4	1	1	✓
✓	1 3 1 3 5 99	0	0	✓

```
1  #include<stdio.h>
2  int main()
3  {
4      int t;
5      scanf("%d",&t);
6      while(t--){
7          int n,c=0;
8          scanf("%d",&n);
9          for(int i=0;i<=n;i++){
10             if(i%2!=0) c=c+i;
11         }printf("%d\n",c);
12     }
13 }
```

	Input	Expected	Got	
✓	3 1 2 3	1 1 4	1 1 4	✓
✓	10 71 100 86 54 40 9 77 9 13 98	1296 2500 1849 729 400 25 1521 25 49 2401	1296 2500 1849 729 400 25 1521 25 49 2401	✓

Passed all tests! ✓

```

2 ▼ int main(){
3     int s1,s2,ans;
4     scanf("%d",&s1);
5     int ta[s1];
6     for(int i=0;i<s1;i++)
7         scanf("%d",&ta[i]);
8     scanf("%d",&s2);
9     int tb[s2];
10    for(int i=0;i<s2;i++)
11        scanf("%d",&tb[i]);
12    for(int j=0;j<s2;j++)
13 ▼    {
14        ans=0;
15 ▼        for(int i=0;i<s1;i++){
16            if(ta[i]==tb[j])

```

```
{  
    ans=0;  
    for(int i=0;i<s1;i++){  
        if(tb[j]>=ta[i])  
            ans++;  
    }  
    printf("%d\n",ans);  
}
```

```
}
```

	Input	Expected	Got	
✓	4 1 4 2 4 2 3 5	2 4	2 4	✓
✓	5 2 10 5 4 8 4 3 1 7 8	1 0 3 4	1 0 3 4	✓

Passed all tests! ✓



```
2 ▼ int main(){
3     int n,k;
4     scanf("%d",&n);
5     int arr[n];
6     for(int i=0;i<n;i++)
7 ▼ {
8         scanf("%d",&arr[i]);
9     }
10    scanf("%d",&k);
11    for(int a=0;a<=n-k;a++)
12 ▼ {
13        int max=arr[a];
14        for(int b=a;b<a+k;b++)
15 ▼ {
```

```
15 ▾ | {
16 ▾ |     if(arr[b]>max){
17 |         max=arr[b];
18 |     }
19 | }printf("%d ",max);
20 | }
21 | }
```

	Input	Expected	Got	
✓	8 1 3 5 2 1 8 6 9 3	5 5 5 8 8 9	5 5 5 8 8 9	✓
✓	10 3 7 5 1 2 9 8 5 3 2 3	7 7 5 9 9 9 8 5	7 7 5 9 9 9 8 5	✓

Passed all tests! ✓

```
1 #include<stdio.h>
2 int main()
3 {
4     int n,t,count=0;
5     scanf("%d",&n);
6     int arr[n];
7     for(int i=0;i<n;i++)
8     {
9         scanf("%d",&arr[i]);
10    }
11    scanf("%d",&t);
12    for(int j=0;j<n;j++)
13    {
14        while(arr[j]>0)
15        {
```

```
16 |         arr[j]-=t;
17 |         count++;
18 |     }
19 | }
20 | printf("%d",count);
21 | }
```

	Input	Expected	Got	
✓	6 5 8 10 13 6 2 3	17	17	✓
✓	7 20 35 57 30 56 87 30 10	33	33	✓

Passed all tests! ✓

```
1 #include<stdio.h>
2 void arrays(int arr1[],int n1,int arr2[],int n2,int merged[],int*size)
3     int i=0,j=0,k=0;
4     while(i<n1&& j<n2){
5         if(arr1[i]<arr2[j]){
6             if(k==0||merged[k-1]!=arr1[i]){
7                 merged[k++]=arr1[i];
8             }i++;
9         }
10        else if(arr1[i]>arr2[j]){
11            if(k==0||merged[k-1]!=arr2[j]){
12                merged[k++]=arr2[j];
13            }
14            j++;
15    }
```

```
16 ▾     else{
17 ▾         if(k==0 || merged[k-1]!=arr1[i]){
18             merged[k++]=arr1[i];
19         }
20         i++;
21         j++;
22     }
23 }
24 ▾ while(i<n1){
25 ▾     if(k==0 || merged[k-1]!=arr1[i]){
26         merged[k++]=arr1[i];
27     }
28     i++;
29 }
30 ▾ while(j<n2){
```



```

30 ▾ while(j<n2){
31 ▾     if(k==0||merged[k-1]!=arr2[j]){
32 ▾         merged[k++]=arr2[j];
33 ▾     }
34 ▾     j++;
35 ▾ }
36 ▾ *size=k;
37 ▾ }
38 ▾ int main(){
39 ▾     int n1,n2;
40 ▾     scanf("%d",&n1);
41 ▾     int arr1[n1];
42 ▾     for(int i=0;i<n1;i++){
43 ▾         scanf("%d",&arr1[i]);
44 ▾     }

```

```
45     scanf("%d",&n2);
46     int arr2[n2];
47     for(int i=0;i<n2;i++){
48         scanf("%d",&arr2[i]);
49     }
50     int merged[n1+n2];
51     int mergedsize;
52     arrays(arr1,n1,arr2,n2,merged,&mergedsize);
53     for(int i=0;i<mergedsize;i++){
54         printf("%d ",merged[i]);}
55 }
56
```

---

	Input	Expected	Got	
✓	5 1 2 3 6 9 4 2 4 5 10	1 2 3 4 5 6 9 10	1 2 3 4 5 6 9 10	✓