

```

#include<stdio.h>

#include<stdlib.h>

int main()
{
    int n;

    printf("Enter the size of the array: ");

    scanf("%d",&n);

    int ar[n];

    printf("Enter the values of the array: ");

    for(int i=0;i<n;i++)
    {
        scanf("%d",&ar[i]);
    }

    for(int i=0;i<n;i++)
    {
        if(ar[i]<=0 || ar[i]>n)
        {
            ar[i]=n+1;
        }
    }

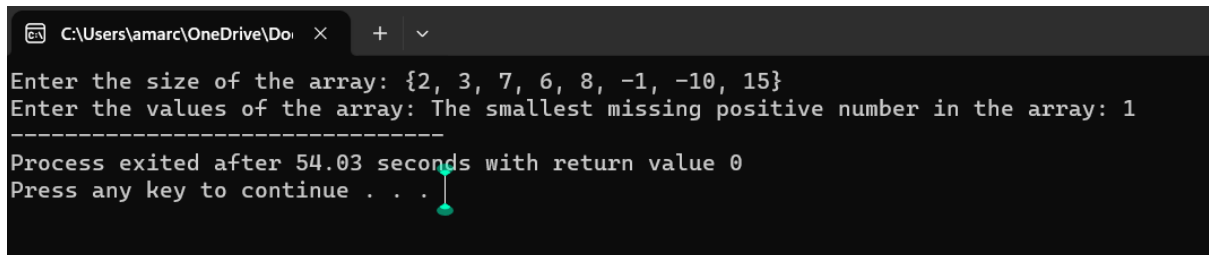
    for(int i=0;i<n;i++)
    {
        if( abs(ar[i])<=n && ar[abs(ar[i])-1]>0)
        {
            ar[abs(ar[i])-1]*=-1;
        }
    }

    int miss=n+1;

    for(int i=0;i<n;i++)
    {
        if (ar[i]>0)

```

```
        {  
            miss=i+1;  
            break;  
        }  
    }  
    printf("The smallest missing positive number in the array: %d",miss);  
    return 0;  
}
```



```
C:\Users\amarc\OneDrive\Do > Enter the size of the array: {2, 3, 7, 6, 8, -1, -10, 15}  
Enter the values of the array: The smallest missing positive number in the array: 1  
-----  
Process exited after 54.03 seconds with return value 0  
Press any key to continue . . .
```