```
Start

int main()

int arr[] = [1,5,8,5,7,3,2,4,1,5,2];
int n = sizeof(arr)/sizeof(int);
int i,j;

Printf ("The given array is");
i=0

i<n?
    no          yes

Printf ("\n");          Printf ("%d", arr[i]);
Printf ("unique Elements
in the given array \n");
i=0

i<n?
    no      yes
return0     j<i?

End

arr[i]==arr[j]?
    yes         No

i==j?           j+1

    yes

Printf ("%d", arr[i]);

i++

stop
```

Declare and input the array elements
Traverse the array from the begining.
check if the current element is found
in the array.
if it is found, then do not print that
element otherwise, print that element
and continue.