```
ALGORITHM


START
   STEP 1: DECLARE VARIABLES i, j, array1[size], temp, count = 0
   STEP 2: LOOP FOR i = 0 AND i < size AND i++
      LOOP FOR j = i+1 AND j < size AND j++
         IF array[i] == array[j]) then,
            break
         END IF
      END FOR
      IF j == size then,
         ASSIGN array1[count++] WITH array[i]
      END IF
   END FOR
   STEP 3: LOOP FOR i = 0 AND i < count-1 AND i++
      LOOP FOR j = i+1 AND j < count AND j++
         IF array1[i]>array1[j] then,
            SWAP array1[i] AND array[j]
         END IF
      END FOR
   END FOR
   STEP 4: PRINT array1
STOP
```

Flowchart:

```
                                          int arr1[100], n,ctr=0;

                              int i, j, k;
                              printf("\n\nPrint all unique elements of an array:\n");
                              printf("----------------------------------------\n");
                              printf("Input the number of elements to be stored in the array :");
                              scanf("%d",&n);
                              printf("Input %d elements in the array :\n",n);
                              i=0

                                          i<n ?
                              No                      Yes

   printf("\nThe unique elements found in the array are : \n");    printf("element - %d : ",i);
   i=0                                                             scanf("%d",&arr1[i]);

                                                                              i++

              i<n ?
         No    Yes

   printf("\n\n");    ctr=0;
                      j=0

      End          j<i-1 ?
              Yes          No

   arr1[i]==arr1[j] ?        k=i+1

              Yes

   No    ctr++;                    k<n ?
                              Yes          No

   j++      arr1[i]==arr1[k] ?        ctr==0 ?

                      Yes                    Yes

              No    ctr++;           No    printf("%d ",arr1[i]);

                      k++                    i++
```