Program to input array & find largest number.

```c
# include <stdio.h>
# include <conio.h>
void main()
{
clrscr();
int a[10],n, large;
printf (" enter the no. of elements of array \n");
scanf ("%d",&n);
printf (" enter the elements of array : \n);
for (i=0; i<n; i++)
{
scanf ("%d", &a[i]);
}
large = a[0];
for (i=0; i<n; i++)
{
if ( large <a[i])
large = a[i];
}
getch();
}
```

ALGORITHM

- Input array.
- Evaluate the largest no.
- Print largest no.
- Exit.

OUTPUT

```
    enter the number of elements of array:
    2
    enter the elements of array:
    12
    13
    a[i+1] is largest
```

FLOWCHART

```
                    ( Start )
                        |
                        v
              +-------------------+
             /  Read a [10]-b     /
            /    large          /
              +-------------------+
                        |
                        v
              <  i=0, i<n;        >
              <     i++           >
                  /           \
                 v             v
        +-------------+      <  if      >
       /  Read a[i]  /       < large <  >------> +-------------+
      +-------------+        <  a[i]    >        |  large = a[i] |
              |                                  +-------------+
              v                                        |
      +-------------+                                  v
      | large=a[0]  |                              ( exit )
      +-------------+
```