Assignment :-

* Find Maximum value in an Array
* Calculate Sum of Array elements.
* Reverse Array in C.

=>
```
#include <stdio.h>
int main() {
int n, i, max;
int arr[100];
Printf ("Enter number of elements:");
Scanf ("%d",&n);
```

```
Printf(" Enter %d elements : \n", n);
for (i=0; i<n; i++) {
scanf("%d", &arr[i]);
}
max = arr[0];
for (i=1; i<n; i++) {
if (arr[i] > max)
  max = arr[i];
}
Printf ("Maximum value in the array = %d", max);
return 0;
}
```

Output :-

Enter number of elements : 100
Enter 100 elements : 1, 2, 3, 4, 5, 6396, 85, 47, 55
Maximum value in the array = 286052357.

=>
```
#include <stdio.h>
int Sum array (int arr[], int n) {
if (n == 0)
return 0;
else
return arr [n-1] + Sum Array (arr, n-1);
}
int main() {
int n, arr [100], i;
Printf (" Enter number of elements :");
Scanf ("%d", &n);
Printf ("Enter %d elements : \n", n);
for (i=0 ; i<n; i++) {
}
```

```
Printf("sum of array elements = %d\n", sum
        array(arr,n));
return 0;
}
```

Out put

Enter number of elements: 10
Enter of 10 elements: 5,8,7,4,2,6,95,34,52,75
Sum of array elements = 5.

⇒
```
#include<stdio.h>
int main() {
int n,i;
int arr[100];
Printf("Enter number of elements: ");
Scanf("%d", &n);
Printf("Enter %d elements:\n",n);
for(i=0; i<n; i++) {
Scanf("%d", &arr[i]);
}
Printf("Array in reverse order: \n");
for(i=n-1; i>=0; i--) {
Printf("%d", arr[i]);
}
return 0;
}
```

Output

Enter number of elements: 20
Enter 20 elements: 8,3,6,3,5,4,5,4,58,65,5
64,52, 975, 94,25
Array in reverse order:
00000000000000000808.