



```
/* * FILE NAME : array_pointer.c
```

```
/* *
```

```
/* * DESCRIPTION : the file contain the main function of array
```

```
/* *
```

```
/* * Revision History :
```

```
/* *
```

```
/* *DATE          NAME          REFERENCE          REASON
```

```
/* *-----
```

```
/* *27 OCT 2022    TRIVENI MAMIDI    NEW            To create main array
```

```
/* *
```

```
/* *
```

```
*****/
```

```
#include<stdio.h>
```

```
int getmax(int array[], int size)
```

```
    int a=0;
```

```
        /*integer of a value*/
```

```
    int maxVal=0;
```

```
        /*input of maximum value*/
```

```
    maxVal=array[0];
```

```
    for(a=1;a<size;a++)
```

```
        /*looping the inter size and input value*/
```

```
    {
```

```
        if(maxVal<array[a])
```

```
        {
```

```
            maxVal=array[a];
```

```
        }
```

```
    }
```

```
    return maxVal;
```

```
        /* return the maximum value*/
```



triveni@LAPTOP-O8H96CDL: ~/makefile/string

```

* * FILE NAME : array_pointermain.c
* *
* * DESCRIPTION : the file contain the function definition of array
* *
* * Revision History :
* *
* *DATE          NAME          REFERENCE          REASON
* *-----
* *27 OCT 2022    TRIVENI MAMIDI    NEW          To create main array
* *
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* *
*****/

#include"array_pointer.h"
*****
* * FUNCTION NAME : Max
* *
* * DESCRIPTION : In this function aw will find out the largest element in array
* *
* * RETURN      : Return largest number in case of success
* *
*****/

int main()
{
    int array[MAX];
    int tmp;                /*index value*/
    int array1[MAX]={11,22,33}; /*number of values*/
    int size;               /*size of the array*/
    int max=0;
    int max1=0;
    printf("memort of array : %ld \n",sizeof(array)); /*enter the array memory*/
    max1=getmax(array1,3);
    printf("max value,: %d \n",max1); /*maximum value of array*/
    printf("enter size array:");
    scanf("%d", &size);
    for(tmp=0;tmp<size;tmp++)
    {
        scanf("%d",&array[tmp]);
    }
    if(size<=0) /*using if condition size of array */
    {
        printf("The size of array as per max requirement: \n"); /*size of array per maximum required*/
    }
    else
    {
        max=getmax(array,size);
    }
}

-- INSERT --
```

1,17

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```

* *
* * Revision History :
* *
* *DATE          NAME          REFERENCE          REASON
* *-----
* *27 OCT 2022    TRIVENI MAMIDI    NEW          To create main array
* *
* *
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* *
*****/

```

```
#include "array_pointer.h"
```

```

*****/
* * FUNCTION NAME : Max
* *
* * DESCRIPTION : In this function aw will find out the largest element in array
* *
* * RETURN      : Return largest number in case of success
* *
*****/

```

```

int main()
{
    int array[MAX];
    int tmp;                /*index value*/
    int array1[MAX]={11,22,33}; /*number of values*/
    int size;               /*size of the array*/
    int max=0;
    int max1=0;
    printf("memort of array : %ld \n",sizeof(array)); /*enter the array memory*/
    max1=getmax(array1,3);
    printf("max value,: %d \n",max1); /*maximum value of array*/
    printf("enter size array:");
    scanf("%d", &size);
    for(tmp=0;tmp<size;tmp++)
    {
        scanf("%d",&array[tmp]);
    }
    if(size<=0) /*using if condition size of array */
    {
        printf("The size of array as per max requirement: \n"); /*size of array per maximum required*/
    }
    else
    {
        max=getmax(array,size);
        printf("the max value: %d\n",max); /* the maximum value return*/
    }
    return 0;
}

```

```
"array_pointermain.c" 53L, 2027C
```

52,10-17

Bot

```
CC = gcc
CFLAGS = -g -Wall
LIBS = -lm
array: array_pointer.c array_pointermain.c array_pointer.h
$(CC) $(CFLAGS) array_pointermain.c array_pointer.h array_pointer.c -o array
```

```
clean:

rm -f array_pointermain.o array.c
```



```
triveni@LAPTOP-O8H96CDL:~/makefile/string$ vi array_pointer.c
triveni@LAPTOP-O8H96CDL:~/makefile/string$ vi array_pointer.h
triveni@LAPTOP-O8H96CDL:~/makefile/string$ vi array_pointermain.c
triveni@LAPTOP-O8H96CDL:~/makefile/string$ gcc array_pointer.c array_pointermain.c
triveni@LAPTOP-O8H96CDL:~/makefile/string$ ./a.out
memort of array : 400
max value,: 33
enter size array:4
1
22
33
44
the max value: 44
triveni@LAPTOP-O8H96CDL:~/makefile/string$ vi makefile
triveni@LAPTOP-O8H96CDL:~/makefile/string$ make
gcc -g -Wall array_pointermain.c array_pointer.h array_pointer.c -o array
triveni@LAPTOP-O8H96CDL:~/makefile/string$ ./array
memort of array : 400
max value,: 33
enter size array:4
1
22
33
44
the max value: 44
triveni@LAPTOP-O8H96CDL:~/makefile/string$
```