

//Write a program to find out the max number from given array using function

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

```
int main()
```

```
{
```

```
    //Initialize array
```

```
    int i,arr[5]; // = {25, 11, 7, 75, 56};
```

```
    for(i=0;i<5;i++)
```

```
    {
```

```
        printf("Array at index of [%d] = ", i);
```

```
        scanf("\n%d", &arr[i]);
```

```
    }
```

```
    //Calculate length of array arr
```

```
    int length = sizeof(arr)/sizeof(arr[0]);
```

```
    //Initialize max with first element of array.
```

```
    int max = arr[0];
```

```
    //Loop through the array
```

```
    for (int i = 0; i < length; i++) {
```

```
        //Compare elements of array with max
```

```
        if(arr[i] > max)
```

```
            max = arr[i];
```

```
    }
```

```
    int length = sizeof(arr)/sizeof(arr[0]);
```

```
    return 0;
```

```
}
```