

In The Name Of God
(Quiz 4 - Pointers)

1 - Write a program that gets unlimited number of integers from the user and calculates the average of them and prints them all in sorted manner .The STEP of increment shall be 4.

#You can only use pointers as array and dynamically allocate space in each step .
#You can not use fixed size arrays.

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2 - rewrite the function called realloc with the following prototype :

Void * realloc (void * arr , int t_size) ;

Look at the following code as example :

```
Void main(void){  
  
    //Stage 1  
    Int * arr = (int *) malloc ( sizeof(int) * 4) ;  
    .  
    .  
    .  
    //Stage 2 :  
    arr = (int * ) realloc (arr , 12 ) ;  
    .  
    .  
    .  
}
```

//Stage 1

arr

0	1	2	3
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//Stage 2

arr

0	1	2	3	4	5	6	7	8	9	10	11
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