Array Question 225097L

01)

```
#include <stdio.h>
       int main(void){
           int array_size, max;
            printf("Enter the count of number did you have?\n");
            scanf("%d",&array_size);
            int numbers[array_size];
           for(int i = 0; i < array_size; i++){</pre>
               printf("Enter the %d number ",i+1);
                scanf("%d",&numbers[i]);
            max = numbers[0];
            for(int i = 1; i<array_size; i++){</pre>
                if(numbers[i]>max){
                     max = numbers[i];
            printf("The max number is the %d.",max);
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
                                                                                                                           ▶ bash +
Nalaka Dinesh@MSI MINGW64 /d/Coding/C/UOM/Array
$ ./max
Enter the count of number did you have?
Enter the 1 number 20
Enter the 2 number 40
Enter the 3 number 10
Enter the 4 number 50
Enter the 5 number 60
The max number is the 60.
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```

```
#include <stdio.h>
      int main(void){
          int array_size, min;
          printf("Enter the count of number did you have?\n");
          scanf("%d",&array_size);
          int numbers[array_size];
          for(int i = 0; i < array_size; i++){</pre>
              printf("Enter the %d number ",i+1);
              scanf("%d",&numbers[i]);
          min = numbers[0];
          for(int i = 1; i<array_size; i++){
   if(numbers[i]<min){</pre>
                  min = numbers[i];
18
          printf("The min number is the %d.",min);
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
Nalaka Dinesh@MSI MINGW64 /d/Coding/C/UOM/Array
$ ./min
Enter the count of number did you have?
```

```
UOM > Array > C age.c > ♥ main(void)
      int main(void){
          int ages[10];
           int count=0;
           for(int i = 0; i<10; i++){
              printf("Enter the %d student age: ",i+1);
              scanf("%d",&ages[i]);
           for(int i = 0; i<10;i++){
              if(17<=ages[i] && 19>=ages[i]){
          printf("The number of student between 17-19 is %d.",count);
                                 TERMINAL PORTS
Enter the 1 student age: 17
Enter the 2 student age: 18
Enter the 3 student age: 19
Enter the 4 student age: 20
Enter the 5 student age: 30
Enter the 6 student age: 40
Enter the 7 student age: 17
Enter the 8 student age: 20
Enter the 9 student age: 30
Enter the 10 student age: 10
The number of student between 17-19 is 4.
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```

```
int main(void){
           int array_size;
           printf("How many numbers did you want get multiplication table: ");
           scanf("%d",&array_size);
           int numbers[array_size];
           for(int i = 0; i < array_size; i++){</pre>
               printf("Enter the %d number: ",i+1);
               scanf("%d",&numbers[i]);
               printf("\t%d",i);
           printf("\n");
           for(int i = 0; i<=array_size-1; i++){
               printf("%d\t",numbers[i]);
                   printf("%d\t",numbers[i]*k);
               printf("\n");
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

    bash + ∨ □

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$ ./multi
How many numbers did you want get multiplication table: 2
Enter the 1 number: 2
Enter the 2 number: 5
1 2
                                                          7
14
35
                                                                                                    12
24
60
                        6
15
                                 8
20
                                         10
25
                                                  12
30
                                                                  16
40
                                                                           18
45
                                                                                   20
50
                                                                                                             26
65
                10
Nalaka Dinesh@MSI MINGW64 /d/Coding/C/UOM/Array
```

```
int main(void)(
             int max,min;
             int numbers[10];
                  printf("Enter the %d number ",i+1);
                  scanf("%d",&numbers[i]);
             min = numbers[0];
             max = numbers[0];
                  if(numbers[i]<min){</pre>
                       min = numbers[i];
                  if(numbers[i]>max){
                       max = numbers[i];
             printf("The min number is the %d max is %d",min,max);
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
$ ./maxmin
Finter the 1 number 1
Enter the 2 number 2
Enter the 3 number 3
Enter the 4 number 4
Enter the 5 number 5
Enter the 6 number 6
Enter the 7 number 7
Enter the 8 number 8
Enter the 9 number 0
Enter the 10 number 9
The min number is the 0 max is 9
```

```
#include <stdio.h>

int main(void){
    int numbers[] = {2,3,4,5,6,7,8,9};
    int value=0;
    float average;
    int array_size = sizeof(numbers)/sizeof(numbers[0]);

    for(int i = 0; i<array_size;i++){
        | value+=numbers[i];
        }

    average=(float)value/array_size;
    printf("Average is %f.",average);

PROBLEMS OUTPUT DEBUGCONSOLE TERMINAL PORTS

Nalaka Dinesh@MSI MINGW64 /d/Coding/C/UOM/Array
$ ./average.exe
Average is 5.500000.
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$ .

Nalaka Dinesh@MSI MINGW64 /d/Coding/C/UOM/Array
$ ./average.exe
Average is 5.500000.
Nalaka Dinesh@MSI MINGW64 /d/Coding/C/UOM/Array
$ .</pre>
```