PROGRAMMING AND		Grading							
PROBLEM SOLVING	Δ	Q1	Q2	Q3	Q4		Σ		
(SE 1105) MIDTERM									
Instructors	ID#	Name	e-Surname	Time allow	ved	Date	Room #		
N. N. J. Ö7							November 9, 2021		
Dr. Dindar ÖZ				75 mins	3.	(18:30	0-19:45)		
Dr. Anas Kademi						X-	·XXX		

Notes: If you believe that necessary data or assumptions are missing from the problem statement make your own assumption(s) and write them clearly.

QUESTIONS

1. **(30 pts.)** Write the outputs of the following programs.

```
a) (15pts)
#include "stdio.h"

void main()
{
    int b = 0;
    for(int v = 2; v<10; v = v+3)
    {
        printf("%d ", v);
        for (; 2*b < v*v; b = b+v)
        {
            printf("%d ", b);
        }
        printf("%d\n",b);
    }
}</pre>
```

```
b) (15pts)
#include "stdio.h"

void func(int arr1[], int arr2[], int pos)
{
    for (; arr1[pos] != -1; pos = arr1[pos])
    {
        for(int i = 0; i < arr2[pos]; i++)
        {
            printf("*");
        }
        printf("\n");
    }
}

void main()
{
    int arr1[] = { 3,6,0,5,2,7,-1,1};
    int arr2[] = { 1,2,3,4,5,6,7,8 };
    func(arr1, arr2, 4);
}</pre>
```

PROGRAMMING AND	_	Grading						
PROBLEM SOLVING	A	Q1 Q2		Q3		Q4	Σ	
(SE 1105) MIDTERM								
Instructors	ID#	Name	-Surname	Time allow	ved	Date/Room #		
Dr. Dindar ÖZ						November 9, 20		
Dr. Anas Kademi				75 mins	3.)-19:45)	
						X-	XXX	
2. (20 pts.) Write a functi should return the maxir	on that takes th	ree double r / two of those	numbers name e. (Example: If	ely k,l , and m as k: 1.4 , l:3.0 and	paran	neters. The 2 function r	function eturns 9.2)	

PROGRAMMING AND		Grading							
PROBLEM SOLVING (SE 1105) MIDTERM	A	Q1	Q2	Q3	Q4	Σ			
Instructors	ID#	Name	-Surname	Time allow	ed Date	/Room #			
Dr. Dindar ÖZ Dr. Anas Kademi				75 mins. (18:30-		oer 9, 2021 0-19:45) -XXX			
3. (25 pts.) Write a function sum of the even number array does not contain a (Example: If the array=	r that has the s any even numb	mallest index er then the fu	and the even unction returns	number that has 0.	s the greatest in				

PROGRAMMING AND PROBLEM SOLVING			Grading						
		A	Q1	Q2	Q3		Q4	Σ	
((SE 1105) MIDTERM								
	Instructors	ID#	Name:	-Surname	Time allow	ved	Date/Room #		
	No. Nicolan Ö7						November 9, 2021		
	Dr. Dindar ÖZ Dr. Anas Kademi				75 mins	3 .	(18:30	0-19:45)	
	DI. Ands Rudenn						` x-xxx		
4.	(25 pts.) Write a function greater n and whose nut (Example if n=5 then it (Hint: You may conside	umber of positive returns 16 (the	e divisors are positive divi	e equal to n.					
								Good luck	