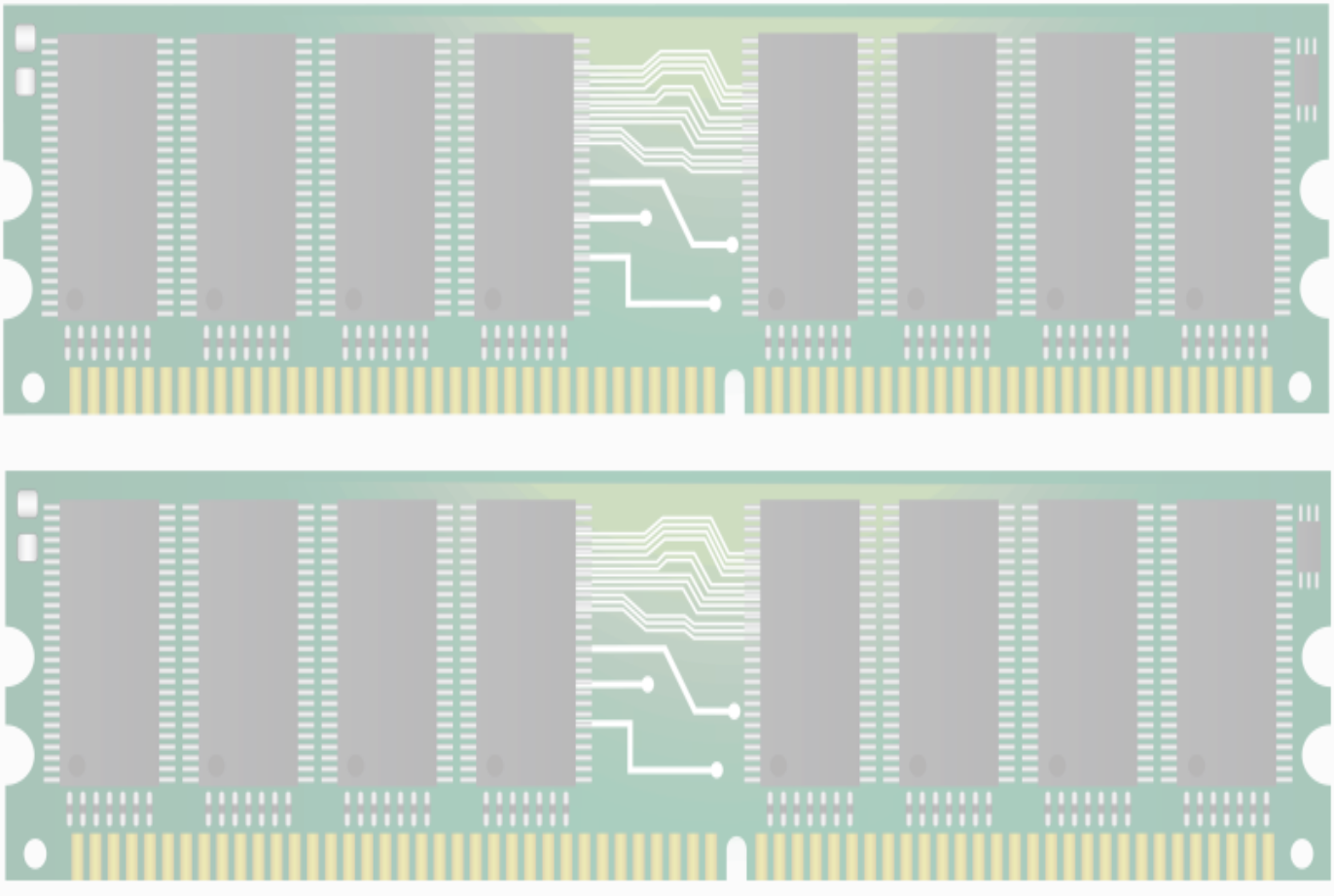
PHASE 1: MEMORY INITIALIZATION

CSC227 - Operating Systems



#	Student name	Student ID
1	**Manar Almobarak**	**439201158**
2	Shahad Alsaif	439200856
3	Hatoon Alswailem	438200518

Task Distribution	
Manar Almobarak	Programmed the part in which it prompts to the user to enter the number of partitions (M). Did the report.
Shahad Alsaif	Programmed the rest which include creating a memory array of size M and initialize the partitions attributes, output on the console a status report of each partition in the memory, validate the inputs, and rechecked the program.
Hatoon Alswailem	Programmed the part in which it enters the size of each partition in KB. Did the Readme file.

I. how to execute the program:

1- run program
2- the program will ask you to `enter the number of partitions :` you will have to enter a positive number zero or more.

a. in case you entered a zero the program will print

```
-------- Status report of memory partitions ---------
```

and the execution will stop.

b. if you entered a negative number the program will print `invalid input, you entered a negative number please re-enter a number` then you have to re-enter a positive number.

c. If you entered a positive number, the execution would continue.

3- after you've entered a positive number the program will ask you to `enter the size of partition 1 in KB` you also have to enter a positive number, this question will be repeated depending on how many portions number you've entered in the first question.
4- finally, the program will print the following information:

```
-------- Status report of memory partitions ---------

partition 1
-------------------------------------------------
startAdrr: 0
endAdrr:
status: free
partition size:
procces name: null
frag size: -1
-------------------------------------------------
```

II. Evaluation Rubric

Teamwork Evaluation.

Part 1: Teamwork			
Criteria	Student 1	Student 2	Student 3
Work division: Contributed equally to the work			
Peer evaluation: Level of commitments (Interactivity with other team members), and professional behavior towards team & TA			
Project Discussion: Accurate answers, understanding of the presented work, good listeners to questions			
Time management: Attending on time, being ready to start the demo, good time management in discussion and demo.			
Total/4			

Functional Requirements.

Part 2: Functional Requirements		
	Criteria	Evaluation
General	Overall quality of the code implementation (organization, clearness, design...)	
	Subtotal/1	
Phase 1	Create and initialize a memory configuration.	
	Compute the partition attributes and store them in appropriate variables.	
	Display the status report clearly, correctly and completely.	
	Subtotal/3	