MIDTERM: SKILL TEST							
Course Code: CPE 201L	Program: BSCpE						
Course Title: Data Structure & Algorithms	Date Performed: 09/06/2025						
Section: 2-A	Date Submitted: 09/06/2025						
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1.Objectives

Implement an Array of even integers less than 50 but not less than 20 and do the following operations:

- a.) Display the elements.
- b.) Find the maximum element
- c.) Reverse the array

2. Discussion

This program shows the basic operating of an array of even numbers from less than 50 but not less than 20, in short 20 to 48. The array of elements is displayed together with their indexes to show the values stored in each element. After that, the program finds the maximum element in the array. Lastly, the program will reverse the array together with their indexes and the position.

3. Materials and Equipment

- PyCharm I used to code the program.
- Google collab The other program I used to code.
- Github The directory which I send the code and the pdf file of this midterm skill test.
- Words The application which I used to make the pdf file.

4. Procedure

- First, I made the function that will show the indexes of the elements by position and then I displayed them together.
- Next, I made the code find the maximum element in the array and display it also.
- For the final approach, I used the reverse function to the array and display it.

| The maximum element | The maximum element

6. Conclusion

In conclusion, this program perfectly shows how the array works by displaying the elements with their index, showing the maximum or the largest value of the element, reversing the order of the array. It shows that arrays are very useful in storing multiple values and it will be very helpful in a real-world application.

Criteria	Ratings									Pts	
SO 7 PI 1 Student Outcome 7.1 Acquire and apply new knowledge from outside sources. threshold: 4.8 pts	6 pts Excellent Educational interests and pursuits exist and flourish outside classroom requirements, knowled and/or experiences are pursued independent and applies knowledg learned into practice	interests and pursuit: exist and flourish outside classroom requirements,knowle coes are and/or experiences a pursued independent wledge		ursuits Look beyond sh classroom om requirements, nowledge showing nces are interest in		3 pts Unsatisfactory J Begins to look beyond classroom requirements, showing interest in pursuing knowledge independently		2 pts Poor Relies on classroom instruction only		1 pts Very Poor No initiative or interest in acquiring new knowledge	6 pts
Student Outcome 7.2 Learn independently threshold: 4.8 pts	6 pts Excellent Completes an assigned task independently and practices continuous improvement	5 pts Good Completes an assigned task without supervision or guidance	4 pts Satisfactory Requires minimal guidance to complete an assigned task	3 pts Unsatisfactory Requires detailed or step-by-step instructions to complete a task		y iled ep	complete a task		1 pts Very Poor No interest to complete a task independently		6 pts
Student Outcome 7.3 Critical thinking in the broadest context of technological change threshold: 4.8 pts	6 pts Excellent Synthesizes and integrates information from a variety of sources; formulates a clear and precise perspective; draws appropriate conclusions	5 pts Good Evaluate information from a variety of sources; formulates a clear and precise perspective.	4 pts Satisfactory Analyze information from a variet sources; formulates a clear and precise perspective.		3 pts Unsatisfac Apply the gathered informatic formulate problem	on to	and summar the informat to from a variet		information		6 pts
Student Outcome 7.4 Creativity and adaptability to new and emerging technologies threshold: 4.8 pts	6 pts Excellent Ideas are combined in original and creative ways in line with the new and emerging technology trends to solve a problem or address an issue.	5 pts Good Ideas ar creative and adapt the new knowledge to solve a probler or address an issue	Ideas are creative in solving a	or	3 pts Unsatisfactor Shows some creative ways solve the prob		ini att em de cre	r Shows ative and mpt to elop etive ideas		1 pts Very Poor Ideas are copied or restated from the sources consulted	6 pts