Activity No. 4.2	
Seatwork 4.2: Pointers	
Course Code: CPE007	**Program:** Computer Engineering
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6. Output

```cpp
#include <iostream>
int main () {
    const int size = 10;
    int scores [size] = {95,  85, 78, 88, 92, 80, 75, 80, 89, 91 };

    for (int i = 0; i <size; i++) {
        std::cout << scores [i] << " ";

    }

    std::cout << std::endl << std::endl;
    for (int i = 0; i <size; i++) {
        std::cout << "address of element " << i <<": " << &scores[i] << std::endl;

    }
    std::cout << std::endl << std::endl;
    int *scorePtr;
    scorePtr = &scores[0];

    std::cout << "the address of the array[0]: " << *scorePtr << std::endl;
    std::cout << "the deferenced pointer: " <<scorePtr << std::endl;
    std::cout << std::endl << std::endl;

    int numBytes = sizeof(scores);
    std::cout << "The number of bytes of the array is: " << numBytes << std::endl;

    return 0;
}
```

```
95 85 78 88 92 80 75 80 89 91

address of element 0: 0x6ffdf0
address of element 1: 0x6ffdf4
address of element 2: 0x6ffdf8
address of element 3: 0x6ffdfc
address of element 4: 0x6ffe00
address of element 5: 0x6ffe04
address of element 6: 0x6ffe08
address of element 7: 0x6ffe0c
address of element 8: 0x6ffe10
address of element 9: 0x6ffe14


the address of the array[0]: 95
the deferenced pointer: 0x6ffdf0


The number of bytes of the array is: 40

--------------------------------
Process exited after 0.5958 seconds with return val
ue 0
Press any key to continue . . . |
```

7. Supplementary Activity

I understood, during the discussion how to use Pointers, pointer variable can store the address of an integer. Uses the sizeof operator to calculate the total size the scores array in bytes and stores it in numBytes. Declare constant integer size and initializes to 10. Print the value at the address pointed to by scorePtr. Print the memory address stores in scorePtr.

8. Conclusion

I am learning how to use pointer variable, grasping how to use it, and knowing where it will be used. I am still grasping the for loop is used. Then, I am now acquired how to print a document and absorbed how it will spaced. I will continue to learn C++, in the modules and master my basics.

9. Assessment Rubric