HOMEWORK – ADVANCED PROGRAMMING

Topic: Pointer (Part 1)

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Practice 2.3

Given the following program:

```
int main()
{
        double m[100];

        double *p1, *p2;

        p1 = m;

        p2 = &m[6];
}
```

Explain:

- Initialize the double array with 100 elements.
- Initialize two double pointers with p1 will point to the first element of the array (m[0]), p2 will point to the seventh element of the array (m[6])
- To know how many bytes between two pointers, we will use "Subtracting two pointers" operator.
    - We let "p2 – p1" will give us the value 6 which means the distance between them is 6.
    - But we have a double variable storing 8 bytes.
- ⇨ From p1 and p2, there are 6 * 8 = 48 bytes between them.