Quiz 8

15 December 2011

1. The following program uses an array. What is the output? Also describe the purpose of the algorithm.

```c
#include <stdio.h>

int main()
{
    const int SIZE = 6;
    int nums[SIZE] = { 32, 18, 21, 4, 7, 14 };
    int x = nums[0];
    for(int i = 1; i < SIZE; i++)
    {
        if(nums[i] < x)
        {
            x = nums[i];
        }
    }
    printf("%d\n", x);
    return 0;
}
```

2. Complete the following program, which should compute and print the **sum** of all the
   elements in the array nums.

```c
#include <stdio.h>

int main()
{
    const int SIZE = 6;
    int nums[SIZE] = { 32, 18, 21, 4, 7, 14 };




    return 0;
}
```