**Practise Set 5 [Floating-point arithmetic]**

1. Write a program to read two floating point numbers and print its sum,difference and product.

2. Write a NASM program to find the average of n floating point numbers.

3. Write a program to calculate the perimeter of a circle, by reading the radius.

4. Write a program to calculate the roots of a quadratic equation.

5. Write a program to sort an array of floating point numbers.

6. Write a program to read a set of floating point numbers (use array to store the values) and

find all pairs (a,b) such that a+b=k, where a,b are elements of the array and k is a given

value.

7. Compute the sin series below: Sin x = x - (x 3 )/3! + (x 5 )/5! − (x 7 )/7! + ...

Calculate Sin(X) by processor instruction and compare the result with the above one.