

CS2093D HARDWARE LAB
WINTER 2021-22

Practice Set 6: FLOATING POINT

1. Write a program to read two floating point numbers and to print its sum, difference and product.
2. Write a program to calculate the perimeter of a circle, it should accept the radius from the user.
3. Write a program to calculate the roots of a quadratic equation.
4. Compute the sin series below

$$\text{SIN}(X) = x - \frac{x^3}{3!} + \frac{x^5}{5!} - \frac{x^7}{7!} + \dots n \text{ terms}$$

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

5. Write a program to calculate the perimeter of a circle, it should accept the radius from the user.