In the name of God

Department of Physics Shahid Beheshti University

NUMERICAL ANALYSIS COURSE

Exercise Set 9

(Due Date: 1403/09/30)

- 1. Write a computational program to make Mandelbrot set.
- **2.** Write a computational program to make Julia set for $f(z) = z^2 + c$ with c = -0.8 + 0.156i, c = 0.45 + 0.1428i and 0.285 + 0.01i.
- 3. Write a program to make Fractal tree.

Good luck, Movahed		