In the name of God

## Department of Physics Shahid Beheshti University

## COMPUTATIONAL PHYSICS

## Exercise Set 10

(Date Due: 1393/10/10)

1. Hamiltonian Monte Carlo method for data modelling: Using file which is called *fitinput.txt* and consider  $y_{theory} = ax^H$  compute a, H and their errors using HMC method.

Good luck, Movahed