Fall 2012 BIOSTAT 615/815 Problem Set #0

Due is Monday September 10th, 2012 11:59PM, by google document (shared to hmkang@umich.edu) and email of the compressing tar.gz file containing the source codes

Problem 1. helloWorld

Implement a program `helloWorld.cpp`. Following the lecture 1 notes, work connecting to scs.itd.umich.edu. Include helloWorld.cpp in your submission. Add a screenshot of your run (image, not a text) into your google doc submission.

```cpp
#include <iostream>
int main(int argc, char** argv) {
  std::cout << "Hello, World" << std::endl;
  return 0;
}
```

Problem 2. towerOfHanoi

Implement a program `towerOfHanoi.cpp`. Following the lecture 1 notes, work connecting to scs.itd.umich.edu. Include towerOfHanoi.cpp in your submission. Add a screenshot of your run (image, not a text) into your google doc submission.

```cpp
#include <iostream>
#include <cstdlib>
void towerOfHanoi(int n, int s, int i, int d) {
  if ( n > 0 ) {
    towerOfHanoi(n-1,s,d,i);
    std::cout << "Disk " << n << " : " << s << " -> " << d << std::endl;
    towerOfHanoi(n-1,i,s,d);
  }
}
int main(int argc, char** argv) {
  int nDisks = atoi(argv[1]);
  towerOfHanoi(nDisks, 1, 2, 3);
  return 0;
}
```