## College of Engineering, Pune Dept of Computer Engineering and Information Technology Year (Final B.Tech) Advanced Unix Programming (AUP) Lab 4

- 1. Print all existing environment variables with their values. Later input a new variable and its value and add to the environment list. Once again print the list
- 2. With appropriate comments write a program using setjmp and longjmp to verify the status of different types of variables after invoking longjmp
- 3. Measures the performance of the getpid() and the fork functions using gettimeofday to measure the the execution time. Measure the performance ten times for each of the two system calls in the program itself and provide the timing results and compute an average for each system call.