1. **An explanation of what happens in the stack when a function is called, including a description of purposes of the rbp,rsp, and rip registers as used in the Intel x86**

**architecture.**

1. **A short description of what (in general) happens during a buffer overflow attack.**

**An explanation of why the code used to take input in bof.c is dangerous, and**

**what procedure should be used instead.**

1. **An explanation of why the code used to take input in bof.c is dangerous, and**

**what procedure should be used instead.**

1. **A list of commands you used in gdb in order to examine the stack, as well as their**

**output at each step.**

1. **A copy of the input you provided to the program in order to perform the exploit.**

