GEF - GDB Enhanced Features

COMSM1302

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1 GEF installation for lab machines

Run the following commands:

```
wget -O ~/.gdbinit-gef.py -q https://raw.githubusercontent.com/hugsy/gef-legacy/master/gef.py
echo source ~/.gdbinit-gef.py >> ~/.gdbinit
```

2 GEF installation for Ubuntu and WSL

```
sudo apt update && sudo apt upgrade
sudo apt install qemu
sudo apt install binutils-arm-none-eabi gcc-arm-none-eabi
sudo apt install gdb-multiarch
sudo apt install qemu-user
sudo apt install curl
wget -q -O- https://github.com/hugsy/gef/raw/master/scripts/gef.sh | sh
bash -c "$(curl -fsSL http://gef.blah.cat/sh)"
```

3 Scripts to auto compile code and start the debugger

Scripts to auto compile code and start the debugger (similar to Makefiles in C) are provided:

```
./au.sh <FILENAME> <PORTNUM>      # for Ubuntu/WSL
./al.sh <FILENAME> <PORTNUM>      # for lab machines
```

For example, to compile a file named tst.s on a lab machine, the command could be:

```
./al.sh tst 1234
```