

CTEC 222: UNIX Operating System

Final Project, Spring 2012 semester

Instructions: Submit the final project with a copy of the signed honor code.

Name:

Honor Code: I have neither taken nor received any help from another person/student for this project.

Signature:

1) Write a bash script using for statement to printout the following?



```
1
22
333
4444
55555
```

2) Write a bash script using for statement to printout the following?



```
*
* *
* * *
* * * *
* * * * *
* * * * *
* * * *
* * *
* *
```

3) Write a script that will ask the user to input a College. The menu of choices includes Saint Rose, RPI, Skidmore, and Exit. If the user chooses Saint Rose, the program prints "In Albany.", and displays the menu again. If the user chooses RPI, the program prints "In Troy.", and displays the menu again. If the user chooses Skidmore, the program prints "In Saratoga.", and displays the menu again. If the user chooses Exit, the program stops. If the user enters anything else, the program prints "Not an option" and displays the menu again.

4) Write a BASH program that accepts input only from the command line.

If the user enters q17 –Math, the program prints the name of all Math majors.

If the user enters q17 –avg, the program prints the average grade for the first exam.

If the user enters q17 followed by any other option, the print prints "Not an option".

If the user enters just q17, the program prints "No options.

5) What will the following script (prog2) output if the command was called as follows:

```
prog2 100 20
```

```
if [ $1 -lt $2 ]  
then  
echo "A"  
else  
echo "B"  
fi
```

6) Write a script to changes all filenames to lowercase in a directory.

7) Write Script to find out biggest number from given three nos. Nos are supplies as command line argument. Print error if sufficient arguments are not supplied.

What to submit for each question?

- *Print out of the result [take print screen, if needed]*
- *The source code. [select the code in putty and then paste it into a word file]*