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:

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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 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.

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) a) What is shell? What services does a shell provide?

b) What does the following shell script do and what is printed by the program?

```
#!/bin/bash
j=0
while (( j <5 ))
do
   (( j= j+ 1))
   echo "hello"
done
echo $j
```

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]*