**BASH SCRIPTING**

1. Make sh file
2. Chmod +x to the file
3. Run the file like ./name.sh
4. Include this as first line: #!/bin/bash.
5. If we do not add the 4th point, we can simply run bash name.sh and it will execute the file
6. Variables: a=” bhavya” or d=$(date)
7. Through ls we cannot create new files

INPUT, OUTPUT AND ERROR REDIRECTION

1. Output: >
2. Error: 2>
3. Output and error: &>

FUNCTIONS

1. Create functions in a bash and call it in the script.
2. E.g:

!#/bin/bash

Function bhavya {

Echo ”learning bash here”

}

Bhavya

1. Comparators: lt, gt, eq, le, ge are used.
2. Example to compare two strings and numbers
3. **#!/bin/bash**
4. **string\_a="UNIX"**
5. **string\_b="GNU"**
6. **echo "Are $string\_a and $string\_b strings equal?"**
7. **[ $string\_a = $string\_b ]**
8. **echo $?**
9. **num\_a=100**
10. **num\_b=100**
11. **echo "Is $num\_a equal to $num\_b ?"**
12. **[ $num\_a -eq $num\_b ]**
13. **echo $?**
14. If – else statements:
15. **#!/bin/bash**
16. **num\_a=400**
17. **num\_b=200**
18. **if [ $num\_a -lt $num\_b ]; then**
19. **echo "$num\_a is less than $num\_b!"**
20. **else**
21. **echo "$num\_a is greater than $num\_b!"**
22. **fi**

5.

**#!/bin/bash**

**echo $1 $2 $4 // to print 1,2,4 parameter**

**echo $# // to count no of parameters**

**echo $\* // to print all parameters**

6. For loops:

**#!/bin/bash**

**for i in 1 2 3; do**

**echo $i**

**done**