**Group - Portmarnock**

**2.1.1**

Shivams-MacBook-Pro:ca644\_final shivamkhatri$ touch greeting.sh

Shivams-MacBook-Pro:ca644\_final shivamkhatri$ nano greeting.sh

#!/bin/bash

echo "Hello World"

Shivams-MacBook-Pro:ca644\_final shivamkhatri$ sh greeting.sh

Hello World

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**2.1.2**

Shivams-MacBook-Pro:ca644\_final shivamkhatri$ sh greeting.sh > greeting.txt

Shivams-MacBook-Pro:ca644\_final shivamkhatri$ cat greeting.txt

Hello World

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**2.1.3**

Shivams-MacBook-Pro:ca644\_final shivamkhatri$ touch rhyme.sh

Shivams-MacBook-Pro:ca644\_final shivamkhatri$ nano rhyme.sh

#!/bin/bash

cat > rhyme.txt << EOF

Mary had a little lamb

Its fleece was white as snow.

And everywhere that Mary went

the lamb was sure to go.

EOF

Shivams-MacBook-Pro:ca644\_final shivamkhatri$ sh rhyme.sh

Shivams-MacBook-Pro:ca644\_final shivamkhatri$ cat rhyme.txt

Mary had a little lamb

Its fleece was white as snow.

And everywhere that Mary went

the lamb was sure to go.

**2.1.4**

Shivams-MacBook-Pro:ca644\_final shivamkhatri$ cat -n rhyme.txt

1 Mary had a little lamb

2 Its fleece was white as snow.

3 And everywhere that Mary went

4 the lamb was sure to go.

**2.1.5**

Shivams-MacBook-Pro:ca644\_final shivamkhatri$ ls . abc.txt 2> /dev/null

.:

greeting.sh greeting.txt head.sh indir.sh rhyme.sh rhyme.txt

Shivams-MacBook-Pro:ca644\_final shivamkhatri$ ls . abc.txt 1> /dev/null

ls: abc.txt: No such file or directory

**2.1.6**

Shivams-MacBook-Pro:ca644\_final shivamkhatri$ touch new2.html

Shivams-MacBook-Pro:ca644\_final shivamkhatri$ nano script.sh

#!/bin/bash

$1

Shivams-MacBook-Pro:ca644\_final shivamkhatri$ sh script.sh "file rhyme.txt" >> rhyme.txt 2>> rhyme.txt

Shivams-MacBook-Pro:ca644\_final shivamkhatri$ cat rhyme.txt

Mary had a little lamb

Its fleece was white as snow.

And everywhere that Mary went

the lamb was sure to go

rhyme.txt: ASCII text, with CRLF line terminators

**2.2.1**

Shivams-MacBook-Pro:ca644\_final shivamkhatri$ touch head.sh

Shivams-MacBook-Pro:ca644\_final shivamkhatri$ nano head.sh

!/bin/bash

head -n 3 < rhyme.txt

Shivams-MacBook-Pro:ca644\_final shivamkhatri$ sh head.sh

Mary had a little lamb

Its fleece was white as snow.

And everywhere that Mary went

**2.3.1**

Shivams-MacBook-Pro:ca644\_final shivamkhatri$ grep Mary < ./rhyme.txt

Mary had a little lamb

And everywhere that Mary went

**2.3.2**

Shivams-MacBook-Pro:ca644\_final shivamkhatri$ wc -l < rhyme.txt

4

**2.3.3**

Shivams-MacBook-Pro:ca644\_final shivamkhatri$ grep Mary < rhyme.txt | wc -l

2

**2.3.4**

Shivams-MacBook-Pro:Users shivamkhatri$ find /usr/share/doc -type f -name '\*.html' | wc -l

216

**2.4.1**

Shivams-MacBook-Pro:ca644\_final shivamkhatri$ test 1 -eq 2 && echo "condition true" || echo "condition false"

condition false

Shivams-MacBook-Pro:ca644\_final shivamkhatri$ test 1 -eq 1 && echo "condition true" || echo "condition false"

condition true

**2.4.2**

Shivams-MacBook-Pro:ca644\_final shivamkhatri$ [ -f ./head.sh ] && echo "file exists" || echo "file does not exists"

file exists

**2.4.3**

Shivams-MacBook-Pro:ca644\_final shivamkhatri$ touch indir.sh

Shivams-MacBook-Pro:ca644\_final shivamkhatri$ nano indir.sh

#!/bin/bash

cd $1

$2

Shivams-MacBook-Pro:ca644\_final shivamkhatri$ sh indir.sh ../ca644\_final/ "ls -l"

total 112

-rw-r--r-- 1 shivamkhatri staff 33 Sep 29 23:21 greeting.sh

-rw-r--r--@ 1 shivamkhatri staff 11 Sep 30 13:47 greeting.txt

-rw-r--r-- 1 shivamkhatri staff 35 Sep 29 23:56 head.sh

-rw-r--r-- 1 shivamkhatri staff 26 Oct 1 14:54 indir.sh

-rw-r--r-- 1 shivamkhatri staff 83 Oct 1 14:51 output.txt

-rw-r--r--@ 1 shivamkhatri staff 148 Sep 29 23:39 rhyme.sh

-rw-r--r--@ 1 shivamkhatri staff 161 Oct 1 14:28 rhyme.txt

-rw-r--r-- 1 shivamkhatri staff 37 Oct 1 14:46 script.sh

**3.1.1**

Shivams-MacBook-Pro:ca644\_final shivamkhatri$ nano script.sh

#!/bin/bash

echo "$($2) $($3)" > $1

Shivams-MacBook-Pro:ca644\_final shivamkhatri$ sh script.sh output.txt date "file rhyme.txt"

Shivams-MacBook-Pro:ca644\_final shivamkhatri$ cat output.txt

Tue Oct 1 14:51:07 IST 2019 rhyme.txt: ASCII text, with CRLF, LF line terminators

**3.1.2**

Shivams-MacBook-Pro:ca644\_final shivamkhatri$ touch outerr.shShivams-MacBook-Pro:ca644\_final shivamkhatri$ vi outerr.sh

#!/bin/bash

echo "Standard Output">&2 echo "Standard Error"

Shivams-MacBook-Pro:ca644\_final shivamkhatri$ sh outerr.sh 1> /dev/null

Standard Error

Shivams-MacBook-Pro:ca644\_final shivamkhatri$ sh outerr.sh 2> /dev/null

Standard Output

3.2.1

Shivams-MacBook-Pro:ca644\_final shivamkhatri$ touch tee.sh

Shivams-MacBook-Pro:ca644\_final shivamkhatri$ nano tee.sh

#!/bin/bash

wc -l $1 | tee $2

Shivams-MacBook-Pro:ca644\_final shivamkhatri$ sh tee.sh rhyme.txt tee.txt

5 rhyme.txt

Shivams-MacBook-Pro:ca644\_final shivamkhatri$ cat tee.txt

5 rhyme.txt