***LAB BOOK***

**Exercise 2 - 1 :-**

**Diagram :-**

**Producer -[connect 1]-> Multiplier -[connect 2]-> Consumer**

**Code :-**

**RunMultiplier.groovy -**

//insert here an instance of multiplier with a multiplication factor of 4

**new** Multiplier (inChannel: connect1.**in**(), factor : 4, outChannel : connect2.out())

**Multiplier.groovy –**

// write i \* factor to outChannel

// read in the next value of i

outChannel.write(i \* factor);

i = inChannel.read();

**Consumer.groovy –**

//insert a modified println statement

i = inChannel.read()

*println* "The input multiplied by some factor was: ${i}"

**Output:-**

6

next: The input multiplied by a factor of four was: 24

7

next: The input multiplied by a factor of four was: 28

8

next: The input multiplied by a factor of four was: 32

9

next: The input multiplied by a factor of four was: 36

0

The input multiplied by a factor of four was: 0

Finished

**Exercise 2 – 2 :-**

**Diagram :-**

**GenerateSetsOfThree –[connect 1]->ListToStream –[connect 2] ->CreateSetsOfEight**