**Introduction to Groovy Remaining Questions:**

**7) Combine the content of allthe files in a specific directory to another new file**

newfile=new File('directory1/target.txt' ) //1st I have created a target file (Called newfile ) in the directory1 named directory

// this closure copies the content each file of directory1 into the newfile and displays the name of the copied file on console

def fclosure= {file->

if(newfile.name!=file.name)

{

newFile << file.text;

println "${file.name} copied";

}

}

new File('directory1/').eachFile (fclosure);

**8) Create a file which contains all the odd numbered lines of a given file. Each line should be numbered at the beginning of line viz:1,3,5..**

def newfile=new File('directory1/4.txt');

new File('directory1/1.txt').eachLine{line,lineno->

if(lineno%2==1)

newfile<<lineno<<" "<<line <<'\n';

}

**9)Write a method which removes all the whitespaces in a file and writes the output to another file. Suppose whitespace characters are Space,Tab and Enter.**

def newfile=new File('directory1/5.txt');

new File('directory1/1.txt').text.tokenize(" \t\n").each{ newfile<<it;};

**10)Make a copy of an image type.**

def img=new File('directory1/ashi.png');

def targetimg=new File('directory2/two.png')

targetimg.bytes =img.bytes

**COLLECTION-1**

4) Consider a class named stack that holds a list of objects and has the following operations associated:

1)push

2)pop

3)top

implement the aforesaid class

class Mystack

{

def list=[];

def top=0;

void push(def item)

{

top++

list[top]=item;

}

void pop()

{

list.removeAt(top--);

}

def top()

{

return list[top];

}

String toString()

{

return list

}

}

def s=new Mystack();

s.push(10);

s.push("helloworld")

s.push("hiee")

s.push(5.21)

println s

println s.pop()

println s

println s.top()

OUTPUT:

[null, 10, helloworld, hiee, 5.21]

null

[null, 10, helloworld, hiee]

hiee