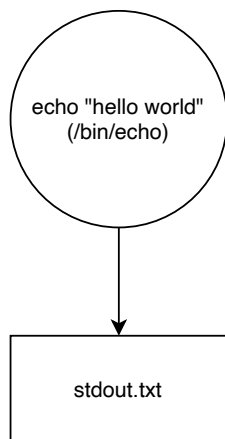


## Workflow 1

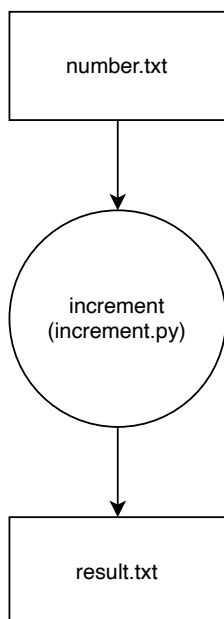


### Notes:

echo is installed on the site "condorpool" at "/bin/echo"

Create a job that uses echo to print "hello world". STDOUT from this job should go to a file called stdout.txt.

## Workflow 2



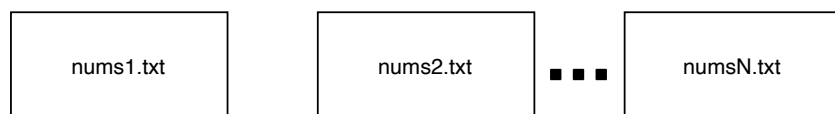
### Notes:

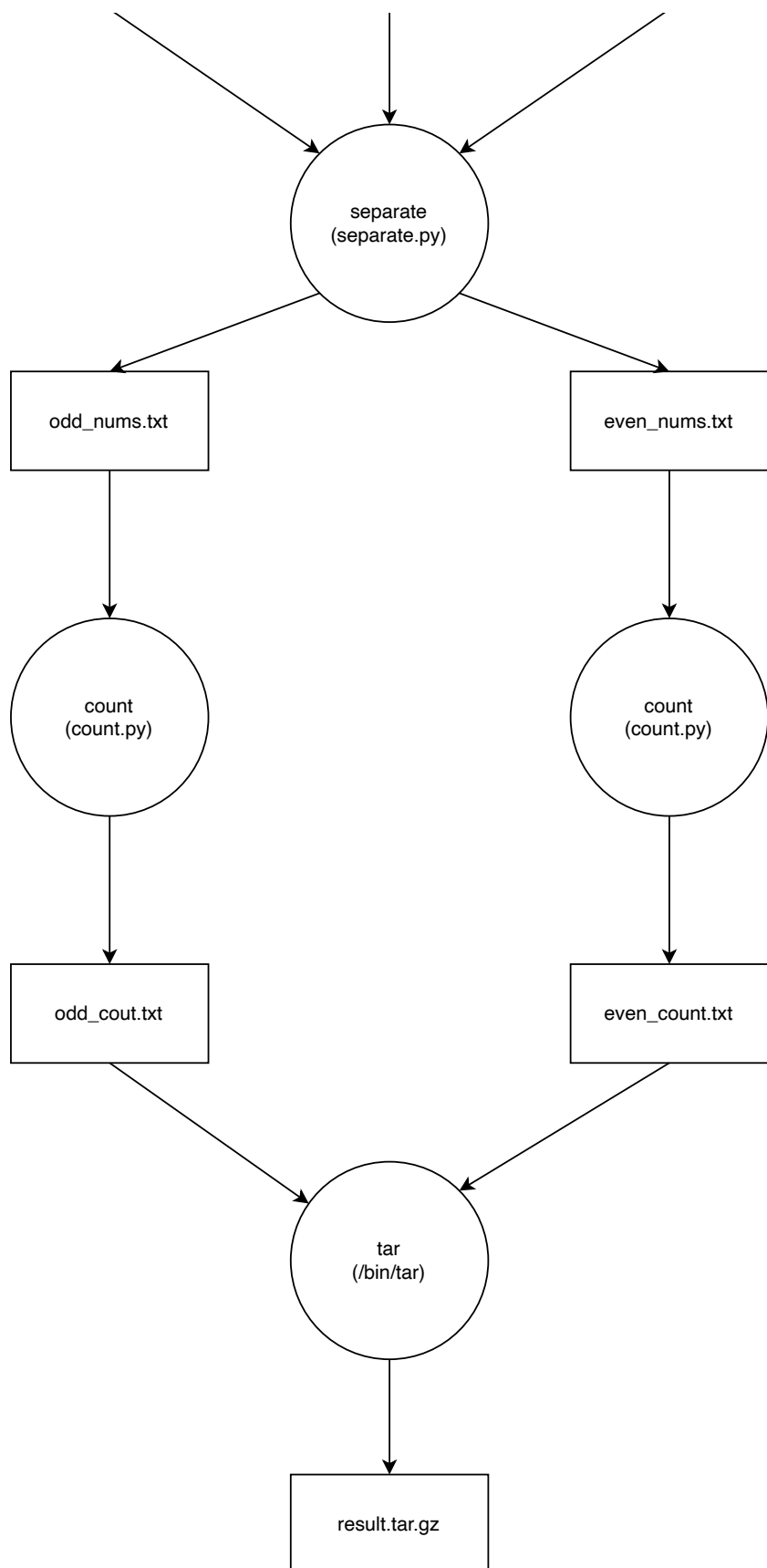
Create a python script called increment.py that takes 2 command line arguments: input\_file\_name, output\_file\_name

The script will read in input\_file\_name, pull out the number from it, increment it, and write out a file with the result as value given for output\_file\_name.

This script should be in the same directory as your jupyter notebook file for this workflow. When you create the transformation corresponding to increment.py, its site should be set to "local", pfn to be its absolute path, and is\_stageable=True.

## Workflow 3





## Notes:

Create N input files which each contain an arbitrary list of integers delimited by new line characters.

Create a python script called separate.py. This python script will not take any command line arguments.

separate.py should read in all files in its cwd with the pattern nums<N>.txt (consider using python's glob).

These numbers should be separated into two lists, even numbers and odd numbers. Then separate.py must write out two files: odd\_nums.txt and even\_nums.txt which contain those numbers.

When creating the transformation for this script, its site should be "local" and pfn its absolute path. is\_stageable must be set to True.

Next create a python script called count.py. This script takes two command line arguments: input\_file\_name and output\_file\_name.

It will read in the input file, count the number of values in it, then write out the result in a file with the name given by output\_file\_name.

The final job should take in as input the two files shown on the left, and compress them into "result.tar.gz". The transformation for tar should be given the site "condorpool", pfn="/bin/tar".