1). Screenshot of your envlist.py from Step 12

```
### Cast | Cast
```

2). Screenshots of the 3 different types of running envlist.py, and the list created from Step 12



3). Screenshot of the timestamps and total time taken from Step 26

Total time taken: 2 hours 44 mins 35 s

```
000
                                        arthur — ec2-user@ip-10-0-15-99:/data/picasso/20181105 — ssh -i ./MyKeyPair.pem ec2-user@18.141.57.231 — 183×67
i(env1) [ec2-user@ip-10-0-15-99 20181105]$ bash /data/src/PyHipp/checkfiles2.sh
Number of hkl files
665
Number of mda files
110
Start Times
  start limes ==== rplp!-slurm.queue1-dy-r5axlarge-1.449.out <== time.struct_time(tm_year=2021, tm_mon=11, tm_mday=2, tm_hour=11, tm_min=47, tm_sec=2, tm_wday=1, tm_yday=306, tm_isdst=0)
  ==> rs1a-slurm.queue1-dy-r5a2xlarge-1.451.out <== time.struct_time(tm_year=2021, tm_mon=11, tm_mday=2, tm_hour=11, tm_min=54, tm_sec=31, tm_wday=1, tm_yday=306, tm_isdst=0)
  ==> rs2a-slurm.queue1-dy-r5a2xlarge-2.452.out <== time.struct_time(tm_year=2021, tm_mon=11, tm_mday=2, tm_hour=11, tm_min=54, tm_sec=33, tm_wday=1, tm_yday=306, tm_isdst=0)
  ==> rs3a-slurm.queue1-dy-r5a2xlarge-3.453.out <== time.struct_time(tm_year=2021, tm_mon=11, tm_mday=2, tm_hour=11, tm_min=54, tm_sec=31, tm_wday=1, tm_yday=306, tm_isdst=0)
    > rs4a-slurm.queue1-dy-r5a2xlarge-4.454.out <==
  ==> rs4a-slurm.queue1-dy-rbazxlarge-4.404.out <==
time.struct_time(tm_year=2021, tm_mon=11, tm_mday=2, tm_hour=11, tm_min=54, tm_sec=31, tm_wday=1, tm_yday=306, tm_isdst=0)
  ==> rse-slurm.queue1-dy-r5axlarge-1.450.out <== time.struct_time(tm_year=2021, tm_mon=11, tm_mday=2, tm_hour=11, tm_min=47, tm_sec=2, tm_wday=1, tm_yday=306, tm_isdst=0)
  ==> slurm=896.out <==
End Times
=> rplpl=slurm.queue1-dy-r5axlarge-1.449.out <==
time.struct_time(tm_year=2021, tm_mon=11, tm_mday=2, tm_hour=12, tm_min=13, tm_sec=12, tm_wday=1, tm_yday=306, tm_isdst=0)
1570.023628950119
{
      "MessageId": "ec3e3df0-b959-5af9-978c-640b94fe2003"
  ==> rs1a-slurm.queue1-dy-r5a2xlarge-1.451.out <== time.struct_time(tm_year=2021, tm_mon=11, tm_mday=2, tm_hour=12, tm_min=29, tm_sec=26, tm_wday=1, tm_yday=306, tm_isdst=0) 2094.236998653412 {
      "MessageId": "8d8f2a5a-afec-59af-b365-73a19e866918"
  "MessageId": "763c8579-3dcd-594c-a70d-dc820f53149f"
  ==> rs3a-slurm.queue1-dy-r5a2xlarge-3.453.out <== time.struct_time(tm_year=2021, tm_mon=11, tm_mday=2, tm_hour=12, tm_min=30, tm_sec=55, tm_wday=1, tm_yday=306, tm_isdst=0) 2188.3945164838623
  ==> rs4a-slurm.queue1-dy-r5a2xlarge-4.454.out <==
```

```
*** The control of th
```

P.S. The last 5 timestamp are shown in this screenshot but not at the end, it's in the middle.

4). Screenshot showing the correct number of files from Step 30

```
[(env1) [ec2-user@ip-10-0-15-99 20181105]$ bash /data/src/PyHipp/checkfiles.sh
Number of hkl files
665
Number of mda files
110
Time taken (s)
tail: cannot open 'pipe-slurm*.out' for reading: No such file or directory
(env1) [ec2-user@ip-10-0-15-99 20181105]$ ■
```

5). Screenshot showing the correct number of files for 20181101 from Step 35

```
[(env1) [ec2-user@ip-10-0-15-99 20181101]$ bash /data/src/PyHipp/checkfiles.sh
Number of hkl files
665
Number of mda files
110
Time taken (s)
tail: cannot open 'pipe-slurm*.out' for reading: No such file or directory
```

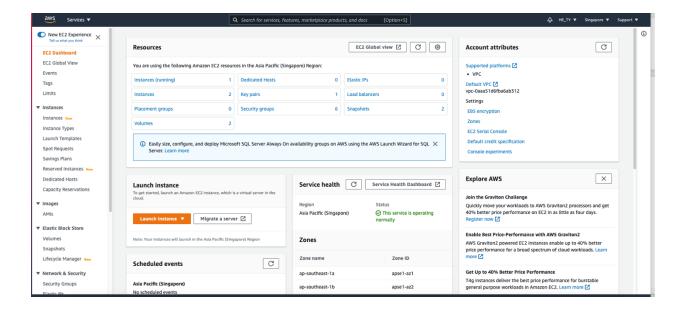
6). Screenshot showing the correct number of files for 20181102 from Step 35

```
[(env1) [ec2-user@ip-10-0-15-99 20181102]$ bash /data/src/PyHipp/checkfiles.sh
Number of hkl files
665
Number of mda files
110
Time taken (s)
tail: cannot open 'pipe-slurm*.out' for reading: No such file or directory
```

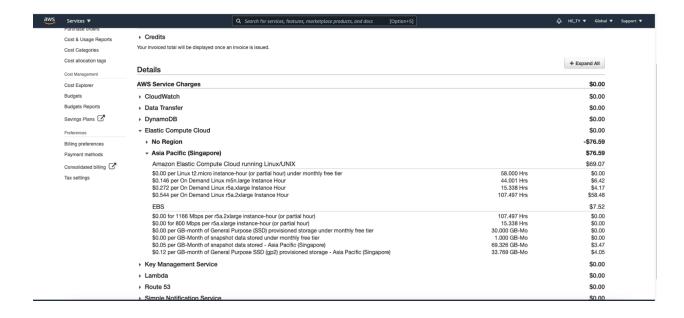
7). Screenshot showing the correct number of files for the remaining days from Step 35

```
artnur — ec2-user@ip-10-0-15-99:/data/picasso — ssh -i./MyKeyPair.pem ec2-user@18.141.5 [(env1) [ec2-user@ip-10-0-15-99 20181101]$ cd .. [(env1) [ec2-user@ip-10-0-15-99 picasso]$ for i in 20180??? 201810??; do echo $i; cd $i; find . -name "*.hkl" | wc -1; cd ..; done 20180702 5
                                                        arthur — ec2-user@ip-10-0-15-99:/data/picasso — ssh -i ./MyKeyPair.pem ec2-user@18.141.57.231 — 183×67
 5
20180704
 5
20180705
 5
20180706
 5
20180710
 5
20180713
 20180716
 5
20180717
 20180718
 20180719
 20180723
5
 20180724
 20180725
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20180726
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20180727
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20180730
 5
20180731
 20180801
 20180802
 20180803
 20180810
 20180813
 5
20180814
 5
20180817
 5
20180823
 5
20180824
 5
20180827
 20180828
 5
20180829
 20180907
5
20180912
5
20180914
5
20180919
```

8). Screenshot of your EC2 Dashboard (follow instructions from Lab 4)



9). Screenshot of Elastic Compute Cloud charges (follow instructions from Lab 4)



10). Screenshot of Budgets Overview (follow instructions from Lab 5)

