

# Homework 3

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Due: November 8, 2019

Points: 100

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## UNIX/Linux Questions

1. (10 pts) What Linux program could I use to generate a random number?

One way to generate a random number in bash is to simply print out built in variables, such as using `echo $RANDOM` or `echo` its seeded counter part `RANDOM=$$`. Alternatively, the `shuf` command will also do the trick. For example:

```
shuf -i 100-999 -n1
```

The above command will return a single number between the range (100-999 inclusive) specified by the `'-i'` flag.

2. 10 pts What is the name of the process with PID 4?

In *CS/F*, after running `ps -aux`, the process *kworker* is listed for PID 4. Which is a placeholder process to denote that some process is being run on one of a device's CPU cores.