Assignment

- Most engineering systems have redundancy. That is, an engineering system has more than is required to accomplish its purpose. Consider a nuclear reactor whose temperature is monitored by three sensors. An alarm should go off if any two of the sensor readings disagree. Write a function *my_nuke_alarm(s1,s2,s3)* where *s1*, *s2*, and *s3* are the temperature readings for sensor 1, sensor 2, and sensor 3, respectively. The output should be the string ‘alarm!’ if any two of the temperature readings disagree by strictly more than 10 degrees and ‘normal’ otherwise.

- What to submit: Take a screenshot that includes your code and output with all testing samples given in the next slide.
- The code structure and testing samples are given in the next slide:

Assignment

```
def my_nuke_alarm(s1,s2,s3):
    # write your function code here

    return response
```

```
#Output: 'normal'
my_nuke_alarm(94,96,90)
```

```
#Output: 'alarm!'
my_nuke_alarm(94,96,80)
```

```
#Output: 'normal'
my_nuke_alarm(100,96,90)
```