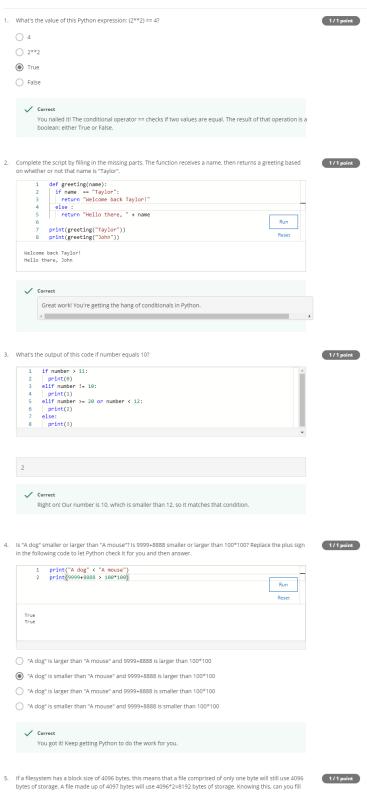
GRADE 100%

## **Practice Quiz: Conditionals**

TOTAL POINTS 5



6. If a filesystem has a block size of 4096 bytes, this means that a file comprised of only one byte will still use 4096 bytes of storage. A file made up of 4097 bytes will use 4096\*2=8192 bytes of storage. Knowing this, can you fill in the gaps in the calculate\_storage function below, which calculates the total number of bytes needed to store a file of a given size?

```
1 def calculate_storage(filesize):
2 block_size = 4090
3 # Use floor division to calculate how many blocks are fully occupied
4 full_blocks = filesize
5 # Use the modulo operator to check whether there's any remainder
6 partial_block_remainder = filesizeX4090
7 # Depending on whether there's a remainder or not, return
8 # the total number of bytes required to allocate enough blocks
9 # to store your data.
10 if partial_block_remainder > 0:
```

