Week 4: Exercise Solutions

Exercise 4.1.

```python
# To work out the bigger of two numbers
a = int(input("First number: "))
b = int(input("Second number: "))
if a > b:
    print("The bigger is", a)
else:
    print("The bigger is", b)
```

Exercise 4.2.

```python
>>> print(len(str(2**100)))
```

You need to use `str()` because `len()` will only work with strings.

Exercise 4.3.

```python
# To find the middle of a string
string = input("Enter a string: ")
if len(string) % 2 == 1:
    print("The middle of the string is ",
          string[len(string) // 2], ".", sep="")
else:
    middle = len(string) // 2
    print("The middle of the string is ",
          string[middle - 1], string[middle], ".", sep="")
```