

# Python U2a – Lists

1)

Use the list `lastname= ['Smith', 'Pope', 'Brown', 'Jones']`

Use a Python Editor to run the following Commands and write the output for each:

```
print(lastname)
```

Output: \_\_\_\_\_

```
print(lastname[0])
```

Output: \_\_\_\_\_

```
print(lastname[1])
```

Output: \_\_\_\_\_

```
print(lastname[2])
```

Output: \_\_\_\_\_

```
print(lastname[3])
```

Output: \_\_\_\_\_

```
print(lastname[0:2])
```

Output: \_\_\_\_\_

```
print(lastname[0:3])
```

Output: \_\_\_\_\_

```
print(lastname[:2])
```

Output: \_\_\_\_\_

```
print(lastname[2:])
```

Output: \_\_\_\_\_

```
print(lastname[-1])
```

Output: \_\_\_\_\_

```
print(lastname[-2])
```

Output: \_\_\_\_\_

```
lastname.append('Williams')
```

```
print(lastname)
```

Output: \_\_\_\_\_

```
lastname.insert(2, 'Kelly')
print(lastname)
```

Output: \_\_\_\_\_

```
lastname.remove('Smith')
print(lastname)
```

Output: \_\_\_\_\_

2)

Use the list `snacks=['chips', 'cookies', 'candy', 'popcorn', 'donuts']`

Write the print statement that displays the following

Use a Python editor to check your code.

- a) Prints the entire snacks list
- b) Prints just 3<sup>rd</sup> item in the list, Cookies.
- c) Prints the last item in the list
- d) Prints the first 2 items in the list
- e) Inserts “crackers” end of the list and prints the list
- f) Removes “cookies” from the list and prints the list
- g) Inserts “nachos” after “candy” and prints the list

3)

Create a list of 5 numbers `nums=[9, 4, 8, 0, 2]`

Write the print statement that displays the following

Use a Python editor to check your code.

- a) Prints the max number in list
- b) Prints the min number in list
- c) Prints the sum of the numbers in list
- d) Prints the numbers sorted for low to high