**1.**

1. Explain in your own words **what a function is**
2. **Give two reasons why they are useful** in programming

**2.**

1. Explain, in your own words, the role of **parameters** and **returned values** in **functions** Describe the **signal flow for two** **functions** from the labs in reference to their **parameters** and **returned values**

**3.**

1. Name **three** different libraries we used in the Python labs and describe how we used them.
2. Provide **one example** of a function that we used from **each of the libraries** and describe **how we used them** in the **Jupyter Notebooks labs**

**4.**

1. Explain, in your own words, the difference between the **integer (int)** and **string** data types
2. Describe **one example (each)** of how **intergers** and **strings** were used in one of our **Jupyter Notebooks labs**
3. Describe **one example (each)** of how **integers** and **strings** were used in **Earsketch**

**5.**

1. Explain, in your own words, why **lists are useful** for programming
2. Describe **one example** of where we used lists in **EarSketch**

**6.**

1. Name and explain the difference between the **two types of loops** we discussed in class
2. Describe **one example** of where a loop was used in one of our **Jupyter Notebooks labs**Describe **one example** of where a loop was used in **EarSketch**

**7.**

1. Explain why **decisions** are useful in programming
2. Describe the **components** of the decision structure we used in the course
3. Explain how **“or” evaluations** work with decision structures
4. Describe **one example** of how we used this decision structure on one of our **Jupyter Notebooks labs**
5. Describe **one example** of how we used this decision structure on one of **EarSketch**

**8.**

1. Name the two ways that we **visually represented audio** in our Jupyter Notebook labs.
2. Explain why visualizing audio is **useful**