**Classwork**

1. **Beginners Challenge** – List the Rainbow  
   Create a list of the colors in the rainbow.  
   Print the list.
2. **Intermediate Challenge**

Create below list containing the ages of Employees:   
 [31, 19, 27, 32, 46, 24, 28]

Print the lowest and highest ages. You may use min and max OR sort and index

1. **Intermediate challenge:**

Create a list of Employees:

[‘Jane’, ‘Cheryl’, ‘James’]

Ask user for their name and add them to the end of the list of employees

Print the list

Print the number of items in the list using len

**Homework**

1. Create sets to analyze the inventory in Monty’s Pharmacy two locations:

|  |  |
| --- | --- |
| **Cambridge** | **Rio** |
| Calcium | Vitamin D |
| Iron | Calcium |
| Potassium | Iron |
| Pain Reliever | Allergy Relief |

Using set notation:

* Print out a full inventory of everything Monty’s Pharmacy sells
* Print out inventory that is being sold in both locations

Using a for loop:

* Print out inventory that is being sold in Rio and not Cambridge

1. Open Homework2.py from FCPSACE/Intro/tree/Input Output  
   Guests in Montys Movie Theater pay $12. Those in a VIP list can watch movies for free:

* Jim Halpert, Amy Santiago, Ron Swanson

Create a conditional statement to allow people on the VIP list to watch movies for free