Lab_1_Andrade

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#

Lab 1 Assignment - CS 4315

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1. A loop that loops through all the integers from 1 to 100 and prints the even integers.

```python
[75]: for i in range(101):
          if i !=0 and i % 2 == 0:
              print(i)
```

```
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```

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98
100
```

2. A loop that iterates through the elements of ['apple', 'banana', 'cherry', 'date', 'eggplant'] and prints each string in the list appended with ' is a fruit.'. Also, print the letter of each string corresponding to the string's index in the list.

[82]:
```python
fruit_list = ['apple', 'banana', 'cherry', 'date', 'eggplant']

idx = 0
for element in fruit_list:
        print('%s. %s is a fruit. The element at the %s index is %s.' % (idx,
   ↪element.capitalize(), idx, element[idx]))
        idx += 1
```

```
0. Apple is a fruit. The element at the 0 index is a.
1. Banana is a fruit. The element at the 1 index is a.
2. Cherry is a fruit. The element at the 2 index is e.
3. Date is a fruit. The element at the 3 index is e.
4. Eggplant is a fruit. The element at the 4 index is l.
```

3. Create a dictionary with keys ['apple', 'banana', 'cherry', 'date', 'eggplant'] and the values being the last letter of each key.

[80]:
```python
fruit_dict = {}

for key in fruit:
```

```python
    value = key[-1]
    # Add the key-value pair to the dictionary
    fruit_dict[key] = value

for key, value in fruit_dict.items():
    print('%s: %s' % (key, value))
```

```
apple: e
banana: a
cherry: y
date: e
eggplant: t
```