

Python Final Project

Starter Code

- Use it
- Do NOT change it
- It's worth 25% of your total grade by itself

Structure of Dictionaries

- Defined by curly brackets { }
- Uses Key : Value pairs

```
DictName = {  
    'Key1' : 'Value1',  
    'Key2' : 'Value2'  
}
```

Modifying a Dictionary Value

- Modify an existing value for a dictionary item

`DictName['key'] = "NewValue"`

- Modifying an existing value for a dictionary item based on an index

`DictName[indexName]['key'] = "NewValue"`

- Only need quotes around the new values if they are strings

Creating Functions

```
def functionName():  
    actions
```

.append() for Dictionaries

- Add to the end of a dictionary

dictName.append(NewKeyValuePair)

.remove() for Dictionaries

- Delete an item from a dictionary
- Uses a similar format as .append()

dictName.remove(keyValuePair)

input()

- Used to create a box for user input
- The text you add is the text that shows before the input box

```
input("instructionsToUser")
```

```
input("What would you like to do?")
```

What would you like to do?

int()

- Converts strings to integers
- Input comes in as text, but you'll need to convert them to numbers to use input as an index

if / elif / else Format

```
if condition == "1":
```

```
    functionName()
```

```
elif condition == "2":
```

```
    functionName()
```

```
else:
```

```
    print()
```