CSE 160 Section 6 Solutions

```
1. def reverse_dict(to_reverse):
        new_dict = {}
        for key in to_reverse.keys():
            # or for key in to_reverse:
                value = to_reverse[key]
                new_dict[value] = key
        return new_dict
```

```
2. def freq(input_string):
        result = {}
        for character in input_string:
                if character not in result:
                        result[character] = 0
                result[character] = result[character] + 1
        return result
```

3.

   a.

```
list_of_dict = [{'a':5, 'b':10, 'c':90},
                {'a':45, 'b':78},
                {'a':90, 'c':10}]

# sum the values with same keys
result = {}
for d in list_of_dict:
    for k in d.keys():
        if k not in result.keys():
            result[k] = 0
        result[k] += d[k]

print("resultant dictionary : ", str(result))
```

b. Things in red text are the lines you would need to change to make your 3.a. answer work for problem 3.b.

```python
list_of_dict = [{'a':5, 'b':10, 'c':90},
            {'a':45, 'b':78},
            {'a':90, 'c':10}]

# sum the values with same keys
result = {}
for d in list_of_dict:
    for k in d.keys():
        if k not in result.keys():
            result[k] = []
        result[k].append(d[k])

print("resultant dictionary : ", str(result))
```

4.
```python
def get_youngest_person(people):
    yp_index = 0
    yp_age = people[0]["age"]
    for i in range(len(people)):
        if people[i]["age"] < yp_age:
            yp_age = people[i]["age"]
            yp_index = i
    return people[yp_index]["name"]
```