CS 110 Functions

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What is redundant?

```python
print('--- Weekend Planner ---')
print('--- Friday Tasks ---')
friday_tasks = ''
task = ''
while task != 'sleep':
    task = input('Next task for Friday: ')
    friday_tasks += ' * ' + task + '\n'
print('--- Saturday Tasks ---')
saturday_tasks = ''
task = ''
while task != 'sleep':
    task = input('Next task for Saturday: ')
    saturday_tasks += ' * ' + task + '\n'
print('--- Sunday Tasks ---')
sunday_tasks = ''
task = ''
while task != 'sleep':
    task = input('Next task for Sunday: ')
    sunday_tasks += ' * ' + task + '\n'
```
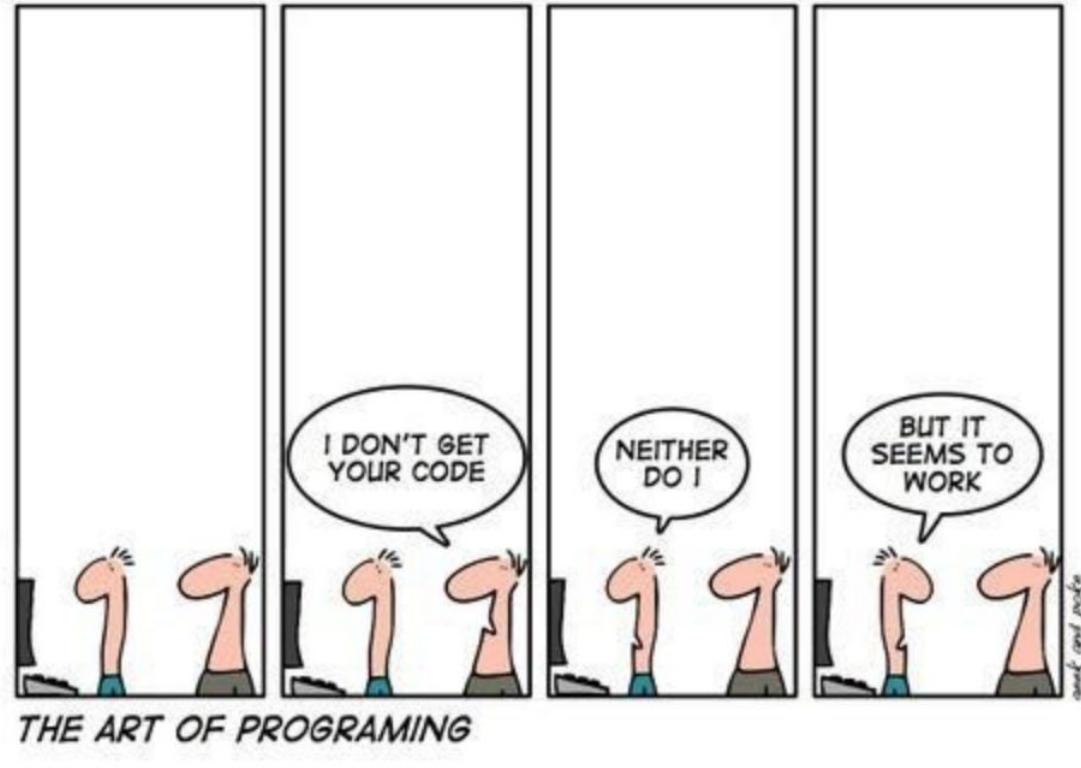
```python
print('+----------------------+')
print('+--- Weekend Summary ---+')
print('+----------------------+')
print('+-------- Friday -------+')
print(friday_tasks)
print('+-------- Saturday -------+')
print(saturday_tasks)
print('+-------- Sunday -------+')
print(sunday_tasks)
```

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```python
print('--- Weekend Planner ---')
print('--- Friday Tasks ---')
friday_tasks = ''
task = ''
while task != 'sleep':
    task = input('Next task for Friday: ')
    friday_tasks += ' * ' + task + '\n'
print('--- Saturday Tasks ---')
saturday_tasks = ''
task = ''
while task != 'sleep':
    task = input('Next task for Saturday: ')
    saturday_tasks += ' * ' + task + '\n'
print('--- Sunday Tasks ---')
sunday_tasks = ''
task = ''
while task != 'sleep':
    task = input('Next task for Sunday: ')
    sunday_tasks += ' * ' + task + '\n'
```

```python
print('+----------------------+')
print('+--- Weekend Summary ---+')
print('+----------------------+')
print('+-------- Friday -------+')
print(friday_tasks)
print('+-------- Saturday -------+')
print(saturday_tasks)
print('+-------- Sunday -------+')
print(sunday_tasks)
```

What is different?

```python
print('--- Weekend Planner ---')
print('--- Friday Tasks ---')
friday_tasks = ''
task = ''
while task != 'sleep':
    task = input('Next task for Friday: ')
    friday_tasks += ' * ' + task + '\n'
print('--- Saturday Tasks ---')
saturday_tasks = ''
task = ''
while task != 'sleep':
    task = input('Next task for Saturday: ')
    saturday_tasks += ' * ' + task + '\n'
print('--- Sunday Tasks ---')
sunday_tasks = ''
task = ''
while task != 'sleep':
    task = input('Next task for Sunday: ')
    sunday_tasks += ' * ' + task + '\n'
```

```python
print('+----------------------+')
print('+--- Weekend Summary ---+')
print('+----------------------+')
print('+-------- Friday -------+')
print(friday_tasks)
print('+-------- Saturday -------+')
print(saturday_tasks)
print('+-------- Sunday -------+')
print(sunday_tasks)
```

Write a function to get rid of redundancy

```python
print('--- Friday Tasks ---')
friday_tasks = ''
task = ''
while task != 'sleep':
    task = input('Next task for Friday: ')
    friday_tasks += ' * ' + task + '\n'


print('--- Saturday Tasks ---')
saturday_tasks = ''
task = ''
while task != 'sleep':
    task = input('Next task for Saturday: ')
    saturday_tasks += ' * ' + task + '\n'


print('--- Sunday Tasks ---')
sunday_tasks = ''
task = ''
while task != 'sleep':
    task = input('Next task for Sunday: ')
    sunday_tasks += ' * ' + task + '\n'
```

```python
tasks = ''


def get_day_tasks(day):
    # What should go here ???



get_day_tasks('Friday')
get_day_tasks('Saturday')
get_day_tasks('Sunday')
```

```python
tasks = '+--------------------+\n+--- Weekend Summary ---+\n+--------------------+\n'

def get_day_tasks(day):
    print('--- ' + day + ' Tasks ---')




get_day_tasks('Friday')
get_day_tasks('Saturday')
get_day_tasks('Sunday')
print(tasks)
```

```python
tasks = '+--------------------+\n+--- Weekend Summary ---+\n+--------------------+\n'

def get_day_tasks(day):
    print('--- ' + day + ' Tasks ---')
    tasks += '+------- ' + day + ' -------+\n'




get_day_tasks('Friday')
get_day_tasks('Saturday')
get_day_tasks('Sunday')
print(tasks)
```

```python
tasks = '+--------------------+\n+--- Weekend Summary ---+\n+--------------------+\n'

def get_day_tasks(day):
    print('--- ' + day + ' Tasks ---')
    tasks += '+------- ' + day + ' -------+\n'
    task = ''
    while task != 'sleep':
        task = input('Next task for ' + day + ': ')
        tasks += ' * ' + task + '\n'


get_day_tasks('Friday')
get_day_tasks('Saturday')
get_day_tasks('Sunday')
print(tasks)
```

```python
tasks = '+--------------------+\n+--- Weekend Summary ---+\n+--------------------+\n'

def get_day_tasks(day):
    global tasks
    print('--- ' + day + ' Tasks ---')
    tasks += '+-------- ' + day + ' -------+\n'
    task = ''
    while task != 'sleep':
        task = input('Next task for ' + day + ': ')
        tasks += ' * ' + task + '\n'

get_day_tasks('Friday')
get_day_tasks('Saturday')
get_day_tasks('Sunday')
print(tasks)
```

```python
def get_day_tasks(day):
    print('--- ' + day + ' Tasks ---')
    tasks = '+-------- ' + day + ' -------+\n'
    task = ''
    while task != 'sleep':
        task = input('Next task for ' + day + ': ')
        tasks += ' * ' + task + '\n'
    return tasks


def main():
    tasks_fr = get_day_tasks('Friday')
    tasks_sa = get_day_tasks('Saturday')
    tasks_su = get_day_tasks('Sunday')
    print('+----------------------+\n+--- Weekend Summary ---+\n+----------------------+\n')
    print(tasks_fr)
    print(tasks_sa)
    print(tasks_su)


main()
```