

CS 110 Functions

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```
print('--- Weekend Planner ---')
                                            What is redundant?
print('--- Friday Tasks ---')
friday tasks = ''
task = ''
while task != 'sleep':
   task = input('Next task for Friday: ')
                                         print('+----+')
   friday tasks += ' * ' + task + '\n'
                                         print('+--- Weekend Summary ---+')
print('--- Saturday Tasks ---')
                                         print('+----+')
                                         print('+----+')
saturday tasks = ''
task = ''
                                         print(friday tasks)
                                         print('+-----')
while task != 'sleep':
   task = input('Next task for Saturday: ')
                                         print(saturday tasks)
                                         print('+-----')
   saturday tasks += ' * ' + task + '\n'
print('--- Sunday Tasks ---')
                                         print(sunday tasks)
sunday tasks = ''
task = ''
while task != 'sleep':
   task = input('Next task for Sunday: ')
   sunday tasks += ' * ' + task + '\n'
```

```
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'
```

What is redundant?

```
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'
```

What is different?

```
Activity
print('--- Friday Tasks ---')
friday tasks = ''
                                        Write a function to get rid
task = ''
while task != 'sleep':
                                                             of redundancy
   task = input('Next task for Friday: ')
   friday tasks += ' * ' + task + '\n'
print('--- Saturday Tasks ---')
saturday tasks = ''
                                              tasks = ''
task = ''
while task != 'sleep':
                                              def get day tasks(day):
   task = input('Next task for Saturday: ')
                                                  # What should go here ???
    saturday tasks += ' * ' + task + '\n'
print('--- Sunday Tasks ---')
                                              get_day_tasks('Friday')
sunday tasks = ''
                                              get day tasks('Saturday')
task = ''
                                              get day tasks('Sunday')
while task != 'sleep':
   task = input('Next task for Sunday: ')
    sunday tasks += ' * ' + task + '\n'
```

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

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

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

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

```
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)
```

```
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)
```

```
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()