

## Methods Lab

### Program flow:

- Ask the user to enter a positive number
- Display the menu
- Allow the user to select a valid menu choice
- Use the current value of the positive number to apply the given menu choice (or re-assign the positive number, if this choice is selected)
- Menu options are re-displayed after the selected option is implemented, until the user chooses to quit

### Classes and packages required:

- Package cscd210methods
  - o CSCD210Methods.java
    - This is where the methods and their implementations are contained
- Package cscd210methodsmain
  - o CSCD210MethodsMain.java
    - This class contains the main() method
    - The initial positive number is collected from the user
    - The menu method runs and collects the user's choice
    - The selected menu option is called

### Example starter code (in main()):

```
int theNum, choice;
```

```
Scanner kb = new Scanner(System.in);
```

```
// calls static method from Methods class to read the number from the user
```

```
theNum = CSCD210Methods.readPosNum(kb);
```

```
// display the menu and collect the menu choice...
```