```python
# CS241 Homework 12
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"""
Purpose: This file is a starting point to help you practice using lambda functions.
"""

import functools


def get_part1_list():
    """
    Filters a list to return even numbers greater than 33.
    """
    numbers = [x for x in range(100)]

    # TODO: Write a line here that uses filter and a lambda function to filter
    # the list so that it only contains even numbers greater than 33.
    new_numbers = list(filter(lambda x : x % 2 == 0 and x > 33, numbers))


    return new_numbers

def get_part2_list():
    """
    Maps a lambda function to a list to square each number and add one.
    """
    numbers = [x for x in range(100)]

    # TODO: Write a line here than uses map and a lambda function to go through
    # each number in the list, square it and then add one to the result
    new_numbers = list(map(lambda x : x**2 + 1, numbers))


    return new_numbers

def get_part3_list():
    """
    Reduces a list to its product
    """
    numbers = [x for x in range(1, 100)]

    # TODO: Write a line here that uses reduce and a lambda function to
    # multiply all the numbers in the list together and return the product
    product = functools.reduce(lambda x, y : x * y, numbers, 1)

    return product

def main():
    """
    This function calls the above functions and displays their result.
    """
    print(get_part1_list())
    print(get_part2_list())
    print(get_part3_list())


if __name__ == "__main__":
    main()

```