

Chapter 4: Sam's Streaming Service

Time required: 60 minutes

- Comment each line of code as shown in the tutorials and other code examples.
- Follow all directions carefully and accurately.
- Think of the directions as minimum requirements.

Pseudocode

1. Write pseudocode or TODO for the exercise
2. Submit with the assignment

Requirements

Sam's Streaming Service would like an end user application that shows potential customers their price tiers based on age.

1. Create a Python program named **streaming_service.py**
2. Price tiers per age:
 - a. 14 years old and older: \$12.95
 - b. Between 4 and 14 years old: 10.95
 - c. 4 years old and under: free
3. Allow the user to choose to run again or not.

TODO

Generic TODO pseudocode that can be used in any programming language.

```
# TODO: Declare price levels as CONSTANTS

# TODO: Declare still_running = "y" before loop

# TODO: Print title for program

# TODO: Loop until the user types any key other than y

# TODO: Get age from user as integer

# TODO: if user is 14 years or older
# TODO: Calculate monthly fee

# TODO: else if user is 4 years or younger
# TODO: Calculate monthly fee

# TODO: else if user is between 4 and 14
# TODO: Calculate monthly fee

# TODO: Display monthly fee

# TODO: Ask use if they wish to continue
# TODO: if y, stay in loop
```

Example runs:

```
+-----+
| Welcome to . . . |
| Yet Another Streaming Service |
+-----+

How old are you?: 3
You are 4 years old or under.
The monthly fee will be $0.00.

Do you want to calculate another fee level?
(Enter y for yes, any other key to exit): y
How old are you?: 13
You are between 4 and 14 years old.
The monthly fee will be $10.95.

Do you want to calculate another fee level?
(Enter y for yes, any other key to exit): y
How old are you?: 21
You are over 14 years old.
The monthly fee will be $12.95.

Do you want to calculate another fee level?
(Enter y for yes, any other key to exit): E
```

Assignment Submission

1. Attach the pseudocode.
2. Attach the program files.
3. Attach screenshots showing the successful operation of the program.
4. Submit in Blackboard.