

**Lab 03 - Assignment**  
**Branching**  
**CS 112 – Summer 2022**

**Description**

Homer just won \$50 and takes Bart and Lisa to the **Fast Dragon** restaurant for a "pick three" consisting of a main meal, a side and a dessert. Don't worry drinks are free! 😊

The main meal is always small, but for \$1 you get a large. Today there is a promotion, so if you choose ice cream for dessert, you get a free kit kat.

**Facts you already know:**

- A "pick three" costs \$10.75
- After selecting the main meal, you are asked: Do you want the large size for \$1?
- Main meal: (1) hamburger, (2) pizza, or (3) veggie sandwich.
- Side: (1) fries or (2) salad
- Dessert: (1) ice cream, (2) brownie, or (3) apple

**Inquire:**

- Customer name
- Main meal [1-3], If customer want a large size [y], side [1-3] and dessert [1-3]

**Assume:**

- To select the large size user input must be "y"
- The input user is correct type (integer or a string ) >> Do not validate the input

**Fast Dragon** wants your help to print the receipt.

龍騰 **FAST DRAGON**

**Example receipt:**

```
--- Welcome to Dragon Fast ---
```

```
Here is your order Bart
Meal: burger - large size
Side: fries
Dessert: ice cream
promotion: kit kat
Total: $11.75
```

Red text is only included when the customer specifies a large size and today's promotion applies.



**Allowed things:**

- Any arithmetic operators are all fine to use, such as +, -, \*, \*\*, /, %, and, or, =, etc.
- Any relational operator: <, <=, ==, etc.
- The following data types, and their casting functions: int, float, string.
- These functions only: input(), print(), round()
- Branching: if, if-else, if-elif-else

**Disallowed things:**

- You may not import other modules (like math) or write your own functions.
- No loops (for/while), or any other feature we haven't yet covered in class.