

ISTA 350 add Worksheet

Name:

The goal today is to make as much progress as possible towards completing add:

```
def __add__(self, other):
```

`self` and `other` are instances of class `Binary`. They each have one instance variable, `bit_array`. `bit_array` is an integer array of 16 zeros and ones. Your mission is to return a new instance of `Binary` that represents the sum of `self` and `other`. If you get overflow, raise a `RuntimeError`. `self` and `other` must end up with the same values they started with (if you change them, change them back). On this side of the worksheet, I would like you to design your algorithm. In other words, outline your solution. Afterwards, you will implement on the back.