

Encapsulation Challenge

In this challenge, you need to create a class named `Printer`.

The fields on this class are going to be:

- `tonerLevel`, which is the percentage of how much toner level is left.
- `pagesPrinted`, which is the count of total pages printed by the `Printer`.
- `duplex`, which is a boolean indicator. If true, it can print on 2 sides of a single sheet of paper.

You'll want to initialize your printer, by specifying a starting toner amount, and whether the printer is duplex or not.

Printer
tonerLevel: int pagesPrinted: int duplex: boolean
----- addToner(int tonerAmount): int printPages(int pages):int

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On the Printer class, you want to create two methods, which the calling code should be able to access.

These methods are:

- `addToner()` which takes a `tonerAmount` argument.
 - `tonerAmount` is added to the `tonerLevel` field.
 - The `tonerLevel` should never exceed 100 percent, or ever get below 0 percent.
 - If the amount being added makes the level fall outside that range, return a -1 from the method, otherwise return the actual toner level.

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- `printPages()` which should take pages to be printed as the argument.
 - It should determine how many sheets of paper, will be printed based on the duplex value, and return this sheet number from the method.
 - The sheet number should also be added to the `pagesPrinted` variable.
 - If it's a duplex printer, print a message that it's a duplex printer.