Take-home assignment two

- Submit source codes (.py or .ipynb file) and a screenshot of the output. The source codes should be properly documented such that they are readable.

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1. Please write a function that takes an integer as the input (parameter) and returns another integer that reverses the digits of the input integer. The input integer can be positive, 0 or negative, and it is provided during runtime. For example, if 789 is given, then the function returns 987; if -789 is given, then the function returns -987; if 230 is given, then the function returns 32. Please write some codes to test your function and take a screenshot of the output.

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2. Please write a function that takes two positive integers as parameters, $p1$ and $p2$. Assume $p1 \leq p2$. For any number, p, where $p1 \leq p \leq p2$, if p is divisible by each of its digits, print p. For example, if $p1 = 30$ and $p2 = 50$, then your function should print *33, 36, 44, 48*, because

33%3 = 0

36%3 = 0 and 36%6 = 0

44%4 = 0

48%4 = 0 and 48%8 = 0

Please write some codes to test your function and take a screenshot of the output.