Laboratory work 3

all programs are written in python3

problem 1

Write a program that ask the user a four-digit number and tells the user if the number is a *"happy"* number. A *"happy"* number is a symmetrical number of the type:

- 5995
- 9339
- 4994

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problem 2

In one state, single residents are subject to the following income tax:

Income	Amount of tax
Not over $750	1% of income
$750–$2,250	$7.50 plus 2% of amount over $750
$2,250–$3,750	$37.50 plus 3% of amount over $2,250
$3,750–$5,250	$82.50 plus 4% of amount over $3,750
$5,250–$7,000	$142.50 plus 5% of amount over $5,250
Over $7,000	$230.00 plus 6% of amount over $7,000

Write a program that asks the user to enter the amount of taxable income, then displays the

tax due.

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problem 3

Write a program that asks the user for a two-digit number, then prints the English word for the number:

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Enter a two-digit number: 45
You entered the number forty-five.
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