

# CCC '12 J1 - Speed fines are not fine!

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## Canadian Computing Competition: 2012 Stage 1, Junior #1

Many communities now have "radar" signs that tell drivers what their speed is, in the hope that they will slow down.

You will output a message for a "radar" sign. The message will display information to a driver based on his/her speed according to the following table:

km/h over the limit	Fine
1 to 20	\$100
21 to 30	\$270
31 or above	\$500

## Input Specification

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The user will be prompted to enter two integers. First, the user will be prompted to enter the speed limit. Second, the user will be prompted to enter the recorded speed of the car.

## Output Specification

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If the driver is not speeding, the output should be: `Congratulations, you are within the speed limit!`

If the driver is speeding, the output should be: `You are speeding and your fine is $F.` where `F` is the amount of the fine as described in the table above.

## Sample Input 1

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40
39
```

## Sample Output 1

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```
Congratulations, you are within the speed limit!
```

## Sample Input 2

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```
100
131
```

## Sample Output 2

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```
You are speeding and your fine is $500.
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## Sample Input 3

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```
100
120
```

## Sample Output 3

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```
You are speeding and your fine is $100.
```