Lab: Conditional Statements

1. Boiling Water

Write a function to check for boiling water, which:

- Receives a number: the water temperature (in °C)
- Prints "The water is boiling " if the number > 100
- Prints "The water is not hot enough" in all other cases

Examples

input	output
104.8	The water is boiling
29	The water is not hot enough

2. Speed Info

Write a function to check for fast / slow speed, which:

- Receives a number (speed)
- Prints "Slow" if the number <= 30
- Prints "Fast" if the number > 30

Examples

input	output
30	Slow
60	Fast

3. Area of Figures

Write a function to calculate figure area, which:

- Receives the type of the figure (string)
- Receives the size of the figure (number)
- Checks if the figure is square or circle
- Prints the calculated area formatted to the second decimal
- Formula for calculating the area of the square: size * size
- Formula for calculating the area of the circle: Math.PI * size * size

Example

input	output

square 5	25.00

4. Ticket Price

Write a function to calculate ticket price, which:

- Receives a ticket type: either "student" or "regular"
- Prints the price in the following format "${price}":
  - Student ticket price: 1.60
  - Regular ticket price: 1.00
  - For invalid type "Invalid ticket type!"

Examples

input	output
student	$1.60
regular	$1.00