

# Good Programming Practices

## Testing and Debugging

# Testing and Debugging

# Let's take a code scenario

Expectation



What you want the program to do

# Let's take a code scenario

Expectation



What you want the program to do

Reality



What it actually does

# Intuition



# Intuition

Car Requires Maintenance



# Intuition

Car Requires Maintenance



# Intuition

## Car Requires Maintenance

- Check individual parts for Malfunction





# Intuition

## Car Requires Maintenance

- Check individual parts for Malfunction
- Take Preventive Measures



# Intuition

## Car Requires Maintenance

- Check individual parts for Malfunction
  - Testing and debugging
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# Intuition

## Car Requires Maintenance

- Check individual parts for Malfunction
  - Testing and debugging
- Take Preventive Measures
  - Defensive Programming



# Intuition

## Car Requires Maintenance

- Check individual parts for Malfunction
  - Testing and debugging



- Take Preventive Measures
  - Defensive Programming



Thank You