

# Word Problem: is-beach-day

**Directions :** Use the Design Recipe to write a function `is-beach-day` , which takes in a temperature in Fahrenheit and a forecast and determines if it is beach weather: hot and sunny

## Contract and Purpose Statement

Every contract has three parts...

# is-beach-day:: Number, String -> Boolean  
*function name* *domain* *range*

# Consumes a temperature and forecast and returns true if it is both hot and sunny

*what does the function do?*

## Examples

Write some examples, then circle and label what changes...

**examples:**

<u>is-beach-day (</u>	<u>50, "sunny"</u>	<u>) is is-hot(50) and is-sunny("sunny")</u>
<i>function name</i>	<i>input(s)</i>	<i>what the function produces</i>
<u>is-beach-day (</u>	<u>96, "cloudy"</u>	<u>) is is-hot(96) and is-sunny("cloudy")</u>
<i>function name</i>	<i>input(s)</i>	<i>what the function produces</i>
<u>is-beach-day (</u>	<u>84, "sunny"</u>	<u>) is is-hot(84) and is-sunny("sunny")</u>
<i>function name</i>	<i>input(s)</i>	<i>what the function produces</i>

**end**

## Definition

Write the definition, giving variable names to all your input values...

```
    temp,  
fun is-beach-day( forecast ):  
    is-hot(temp) and is-sunny(forecast)  
function name what the function does with those variable(s)  
end
```