

Karel Project #3

STUFF, STUFF, STUFF

You are on your way to becoming a **Master Creator**. With a few tricks, you can tell a **story** with a **Karel Maze**.

Select **Creative Suite**, open **Programming**, and launch a new **Karel** project. Click on **File** and save the worksheet in the folder **course-karel-projects** under the new name, **stuff-stuff-stuff**.

Click on  and select  to remove the example maze.

Goal: Create a Story for Your Maze

To **tell a story**, you will:

1. Review the tools in the Karel **Designer**.
2. **Write a story** for your maze.
3. Make a **maze** for your **story**.
4. Test and **publish** your maze.

Telling a Story

What do you think **Karel** is doing in this maze?

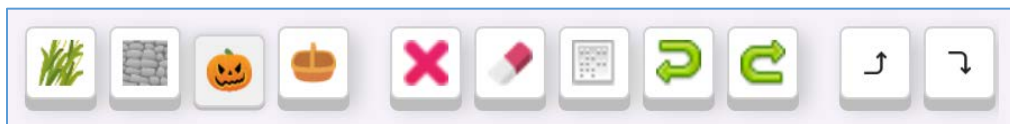


Karel could be **repairing a fence**, collecting **flowers**, or gathering **apples**. If a player started this maze, they may be confused because there is not a **clear goal**.

To make a **clear goal**, you can add a **story** to a **maze**.

Step 1: Review the Tools in the Karel Designer

The **Designer** is full of useful tools. This is the **Top Menu**:



The **buttons** in the **Top Menu** all have different uses:



Themes: Change a **background** for your maze. There are many choices.



Obstacles: It is best to pick a **wall** that is a **different color** than your **background**.



Objects: **Karel** loves collecting **objects**. Keys, fruit, swords, bombs, radios, shields, rugs, watches...



Containers: These containers are a perfect place to **put** things.



Remove Mode: Press this button, and you can remove individual **objects, obstacles, or containers** from your **maze**.



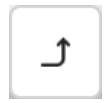
Eraser: Very **powerful!** Press this button and you can remove **all** of the **objects, obstacles, and containers** in your **maze**.



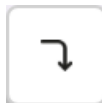
Undo: Cancel the last operation. How convenient!



Redo: Cancel the last Undo operation.



Left Turn: Turn Karel left.



Right Turn: Turn Karel right.

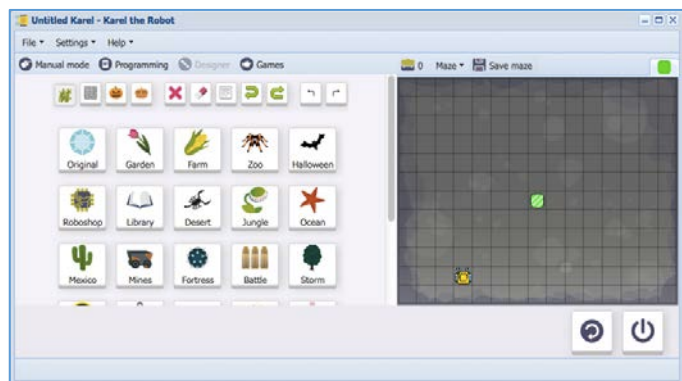
Step 2: Write a Story For Your Maze

Click  and view the various **Themes, Objects, and Containers**. Do you see anything you can use for a **story**?

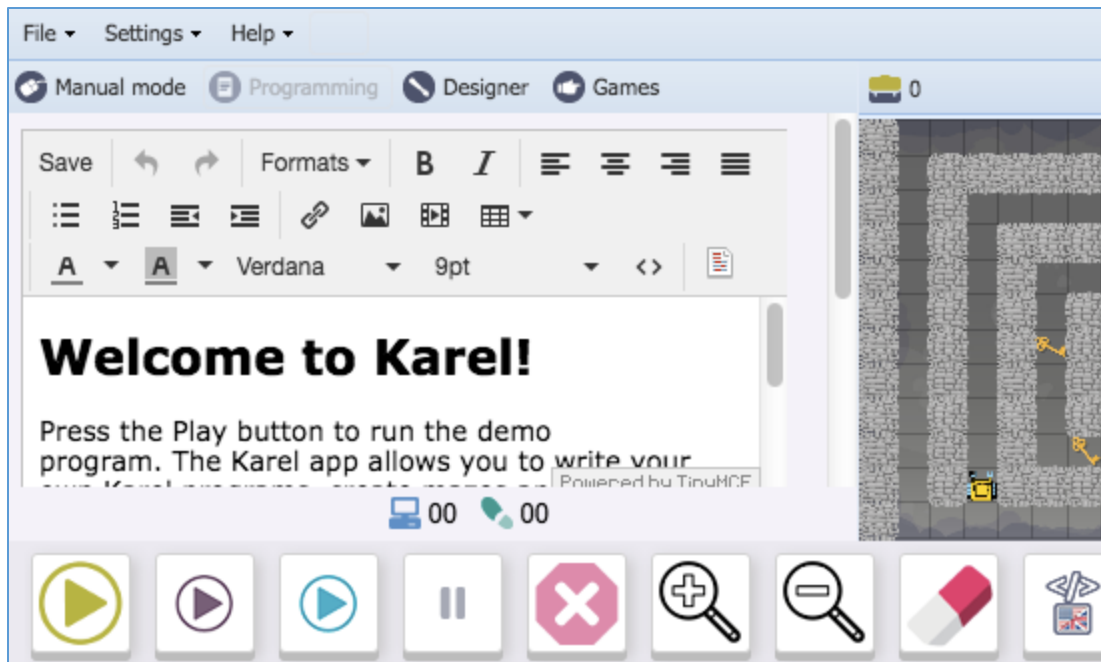
The **story** does not have to be long - **three or four sentences** are enough. But it needs to explain **what** Karel should do.

Here is an example:

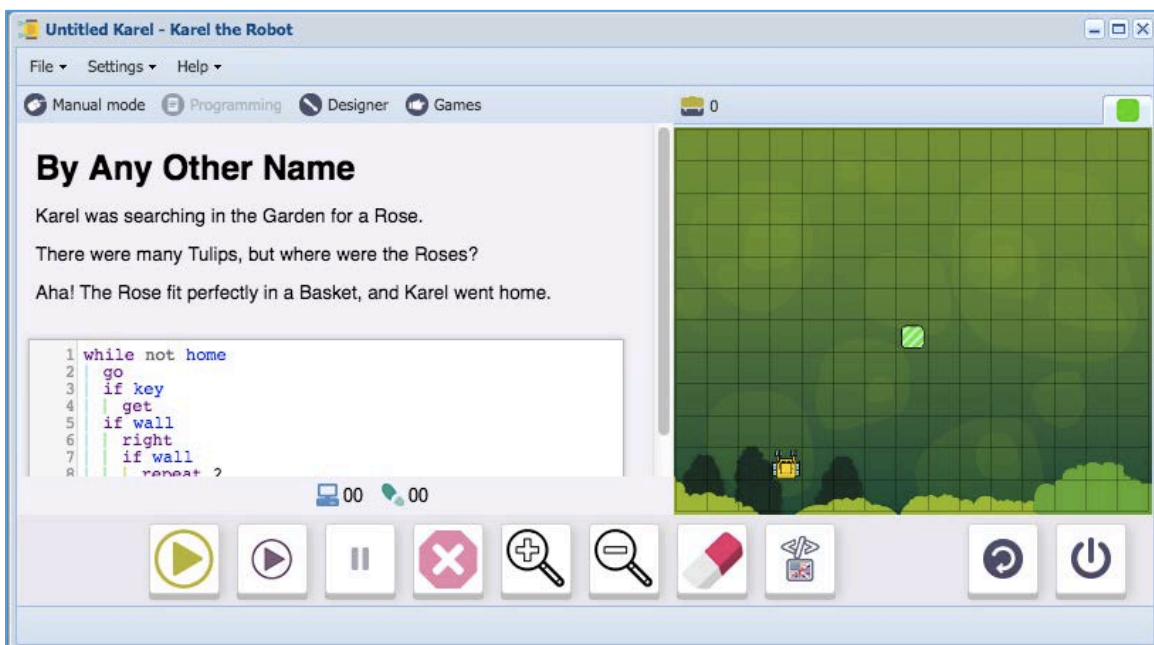
“Today, Karel is searching in the Garden for a Rose. There are many Tulips, but where are the Roses? Find the Roses and put them in the Baskets before going to the Home Square.”



Click on  and select the **Welcome to Karel** paragraph to **edit the Summary**.



Delete the text and type your **story** in the text field. Then click **Save** on the top left of the **Edit window**.




Step 3: Make a Maze For Your Story

Here are some examples of possible mazes:



Using the [Designer](#), try placing different [Obstacles](#), [Objects](#), and [Containers](#) that help to tell your [story](#).

Once your maze is finished, use [Manual Mode](#) to navigate [Karel](#) through your [maze](#) and to the [Home Square](#). Select  if you want to make any changes.

Step 4: Test Your Maze and Share It On the Web

Finally, press [Play](#) to test your maze and make sure it is [solvable](#). Once you have tested your [maze](#), you can use the [Publish on the web](#) option in the [File menu](#) to share your maze with others.

You can learn a lot by asking people how they enjoyed your maze. Did your story help them understand the [goal of your maze](#)?



Project Checklist

Your project will be finished when:

1. Your file **stuff-stuff-stuff** is saved in the folder **course-karel-projects/**.
2. You have written a **story**.
3. You have created a **maze** for your **story**.
4. You have tested your **maze**.
5. You have **shared your maze** with others.