

Overview	In this tutorial, you will add objects and position them using precise and imprecise
	techniques. You will create an underwater scene that will form the initial scene for a
	future animation.
Key Concepts	Add multiple objects to a scene
Learned	 Describe the difference between precise positioning and drag-and-drop positioning
	 Use a one-shot procedure to precisely position an object in a scene
	 Edit properties of an object in the Scene editor
	 Describe three-dimensional positioning axes
	 Position the sub-parts of an object in the Scene editor
Difficulty	Beginner: This tutorial is appropriate for someone who has used Alice 3 to:
Level	Create and save a new project
	Add an object to a scene
	Code a simple programming instruction
	 Use the copy and undo command
	 Run the animation to test and revise programming statements
Duration	30-40 minutes
Notes	This tutorial was built using Alice 3.1.81.

Part 1: Define the Scenario

Review the scenario and corresponding animation. In this tutorial, you are going to create an animation from the scenario defined below.

Scenario	Animation (Initial Scene)
Two fish are having a conversation and do not	Two fish face each other, engaging in
know a shark is hiding behind them in a cave.	conversation. A shark hides in a cave ready to
	surprise them at any moment.

Part 2: Add Objects to the Scene

1.	Open Alice 3.
	Select the SEA FLOOR template, then click OK.
	is Sea Huger Terrora granes from the latter.
2.	In the File menu, select Save As
	Open the folder where you store all of your Alice 3 projects.
	Name the project Tutorial 2 .
	Click Save .



	🛃 Alice 3.1
	Eile Edit Project Run Window Help
	New Ctrl+N
	Open Cm+O
	save Otti-S
	Save As Citri-Shift+S
	Revert 6
	Upload to Youtube
	Print •
	Sgreen Capture
	Exit
	Save projects frequently to avoid losing your work.
3.	Add the following fish objects to the scene.
	Note: At this point, do not move any of the objects with your cursor. Leave them where they are. In
	the next section, you will precisely position these objects using procedures.
	Clown Fish
	Shark
	Blue lang
4.	Add the following prop objects to the scene.
	Note: At this point, do not move any of the objects with your cursor. Leave them where they are. In
	the next section, you will precisely position these objects using procedures.
	• 5 seaweed when the seaweed t
	Trocure chest

Part 3: Position Objects in the Scene Using Procedures





	Construction The construction The construction Data The construction The construction The construction The construction The construction <
3.	Select the move procedure.
	Select arguments: BACKWARD, then CustomDecimalNumber
	Enter 4 in the calculator that appears. Click OK .
	Drace move 727: 777 Provide Drace move/wayfini 777: 777 Provide Drace move/wayfini 777: 777 Provide Drace move/bashiner Provide
4.	Right-click on the Treasure Chest and select Procedures .
	Select the move procedure.
	Select arguments: LEFT \rightarrow 2.0.
	Init SteasureChest Init SteasureChest Init SteasureChest Init SteasureChest Procedures Init SteasureChest Init SteasureChest Init SteasureChest Revent original state Init SteasureChest Init SteasureChest Init SteasureChest Init SteasureChest Init SteasureChest Init SteasureChest Init SteasureChest
5.	Right-click on the Shark .
	Select Procedures .
	Select the moveAndOrientTo procedure.
	Select the cave .
	The shark will move inside of the cave and appear to sink into the ground. Leave the shark in this
	position. You will reposition the shark in future steps.
6.	In the object tree, right-click on the Clown Fish.
	Select the move procedure
	Select arguments: FORWARD \rightarrow 2.0
	procedules fils clownFish move (222) = (22) cirrector: Delds (fils clownFish move (222) = (22) (file clownFish move (222) = (22) Delds (file clownFish move (222) = (22) (file clownFish move (222) = (22) Delds (file clownFish move (222) = (22) (file clownFish move (22) = (22) Delds (file clownFish move (222) = (22) (file clownFish move (22) = (22) Delds (file clownFish move (22) = (22) (file clownFish move (22) = (22) Delds (file clownFish move (22) = (22) (file clownFish move (22) = (22) Delds (file clownFish move (22) = (22) (file clownFish move (22) = (22) DiscovmFish move (22) (file clownFish move (22) = (22) (file clownFish move (22) = (22) DiscovmFish move (22) (file clownFish move (22) = (22) (file clownFish move (22) = (22) DiscovmFish move (22) (file clownFish move (22) = (22) (file clownFish move (22) = (22)
7.	In the object tree, right-click on the Clown Fish.
	Select Procedures.
	Select the move procedure.
	Select arguments: RIGHT \rightarrow 2.0 .



-	
8.	Right-click on the Blue Tang.
	Select Procedures.
	Select the moveToward procedure.
	Select arguments: ClownFish \rightarrow 2.0.
9.	Right-click on the Blue Tang.
	Select Procedures.
	Select the turnToFace procedure.
	Select the ClownFish .
10.	Right-click on the Clown Fish.
	Select Procedures.
	Select the turnToFace procedure.
	Select the BlueTang .
11.	At this point, your scene should look like this:
	Image: Status Camera View

Part 4: Position Objects Using Handle Styles

Now you will position the objects using the four handle styles to fine-tune where the objects are positioned in the scene.

1.	In the Handle Style menu, select the Default handle style.
	handle style:
2.	Click on the Clown Fish with your cursor.
	Drag the Clown Fish slightly backwards, away from the Blue Tang, so they aren't so close to each
	other's faces.
3.	Click the CTRL key on your keyboard while clicking on the Treasure Chest with your mouse. This
	will allow you to rotate the Treasure Chest with your mouse.
	Turn the Treasure Chest so it is slightly turned to the right, facing the camera.
	Starting Camera View *
4.	Select the Treasure Chest from the instance menu on the right.
	Click the arrow next to the Treasure Chest to display the list of its subparts.
	Select the Treasure Chest Lid subpart.



	haude shy Crack Rotation RESCE I use and F Stop States This treasure Chest This treasure Chest This treasure Chest This treasure Chest This treasure This treasure
	Teasan/Chell data Teasan/Chell data Teasan/Chell data Teasan/Chell data Teasan/Chell data
5.	In the one-shots menu, select Procedures . Select the turn procedure. Select arguments: BACKWARD → 0.5 .
6.	Select the Translation handle style. Andle style
7.	Click and drag the shark so it is positioned inside of the cave entrance.
8.	Click and drag the arrow above the shark's head to move the shark up so his entire body is visible.
9.	Click and drag the arrow in front of the shark's face to move the shark slightly backward into the
10	Click and drag the seaweed so they are to the left of the cave.
10.	Position the seaweed as you wish.
11.	At this point, your scene should look like this:



