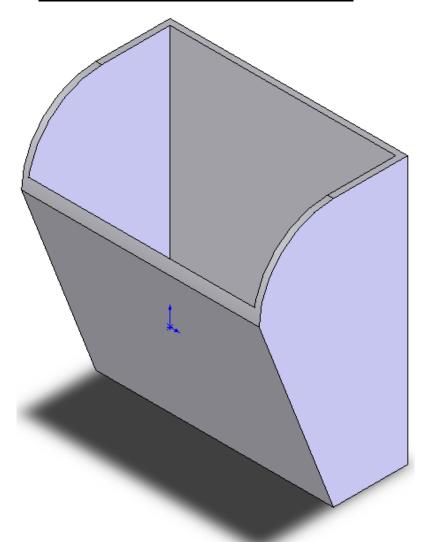


COUPON BOX EXERCISE 2.



Prerequisite knowledge Students should have completed Exercise One: "The Mobile Phone Holder"

Focus of lesson This lesson will focus on using the following command

Shell.

Commands Used This lesson includes Sketching, Extruded Boss/Base,

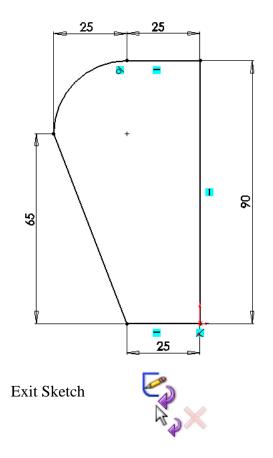
and Shell.



Save File Select File, Save As, Coupon Box.

Getting Started: Select the Right Plane.

Sketch: Create a sketch and dimension as shown.

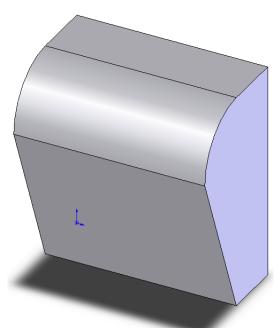


Extrude the Model

On the features toolbar select Extrude Boss/Base.

Change the depth of the extrusion From 10mm to 80mm in the Dialogue box which appears on the Left hand pane.







Introducing Shell

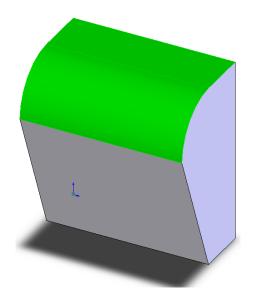
Shell is always added to the solid rather than the sketch and is hence referred to as an **applied feature.** It allows you to create a thin walled model.

Where to find it

Select the Shell tool from Insert menu, select Features/Shell...

Apply Shell

Select the Surface you wish to shell from, in this case we will select the **Top Edges** by left clicking on them. The Surface you select will be the open side of the coupon box, this is why we select the **Top** surfaces.



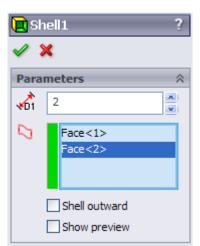
Having selected **Shell**, the Shell options appear in the property manager.

Select **2.00mm** as D1 (Wall thickness)

Face 1 and Face 2 are already selected

Click **OK** vo Shell the Container.

Rename as Coupon Shell





Add Colour to the Coupon Box

From the feature manager, Right click on **Coupon Box** and Select "**Appearance**".

Apply a chosen colour as in Exercise One.

Finished Model:

