

## 9 HLOOKUP Exercise

Create a new Excel file and complete the exercise with instructions below.

	A	B	C	D	E	F	G	H	I	J	K
1	Discount Category	Minor	Senior								
2	Discount Amount	25	35								
3											
4	<b>Name</b>	<b>DOB</b>	<b>Age</b>	<b>Category</b>	<b>Discount Factor</b>						
5	Adam Daly	20/03/2000	21	Senior							
6	Betty O'Sullivan	06/02/1995	26	Senior							
7	Catherine Henderson	20/03/2000	21	Senior							
8	Denise Murray	05/07/2006	15	Minor							
9	Eric Moran	03/03/2008	13	Minor							
10	Fred O'Donovan	10/11/1995	26	Senior							
11	Gary Looney	04/11/1967	54	Senior							
12	Harry Dunleavy	02/07/2009	12	Minor							
13	Ian Spillane	10/04/2010	11	Minor							
14	Jean Branson	02/04/2011	10	Minor							
15	Kelly Harrison	06/08/1998	23	Senior							
16	Liam O'Connor	03/12/1967	54	Senior							
17											
18	1 Create a worksheet named Raw and input the data as shown.										
19	2 Input the necessary formula in the Age column to calculate how many years old the person is.										
20	3 Input a formula in the Category column which tests if the Age is under 20, if so then Minor is returned otherwise Senior is returned.										
21	4 Use the HLOOKUP function to check the Category and look up the discount table to see what discount amount applies.										
22	5 Select the names in the Name column and corresponding Ages in the Age column and create a 3-D Column chart.										
23	6 Create a new worksheet named Chart, cut and paste the column chart into the new worksheet.										
24	7 Save this file into your Spreadsheet Methods folder named 9 HLOOKUP										
25											

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5	Adam Daly	20/03/2000	21	Senior		35
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8	Denise Murray	05/07/2006	15	Minor		25
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17						

## Formula Required

Cell	Formula
C5	=YEAR(TODAY())-YEAR(H4)
D5	=IF(I4<20,"Minor","Senior")
E5	=HLOOKUP(J4,\$B\$1:\$C\$2,2,FALSE)

## 3-D Column Chart

