

Generation

Preparation

Get a Assignment sample and Set Track Change;

The screenshot shows the Microsoft Excel interface with the 'Review' tab selected. The ribbon includes 'Proofing', 'Comments', 'Protection', and 'Share'. The 'Track Changes' button is highlighted. A dialog box titled 'Select Changes to Accept or Reject' is open, showing 'When: Not yet reviewed' and 'Who: Everyone'. The background spreadsheet is an 'AMORTIZATION TABLE' for a 30-year fixed-rate mortgage. It includes fields for Initial Loan Amount (\$1,000,000.00), Interest Rate (6.00%), Term in Years (30), Origination Date (15-Jan-14), Interest Accrual Days (16), Interest Accrual (\$2,666.67), PSA (100%), Servicing Fee (0.50%), and Pass-through Rate (5.50%). Below these are columns for Date, End of Month, CPR, SMM, Opening Balance, Monthly Payment, Interest Paid, Principal Paid, and Prepayment.

Date	End of Month	CPR	SMM	Opening Balance	Monthly Payment	Interest Paid	Principal Paid	Prepayment
31-Jan-14	0	0	0	\$1,000,000.00	\$ -	\$ 2,666.67	\$ -	\$ -
28-Feb-14	1							
31-Mar-14	2							
30-Apr-14	3							
31-May-14	4							
30-Jun-14	5							
31-Jul-14	6							
31-Aug-14	7							
30-Sep-14	8							
31-Oct-14	9							
30-Nov-14	10							
31-Dec-14	11							
31-Jan-15	12							

Download the roster from Angel;

The screenshot shows the 'Management Console' interface. The 'Course Management' section includes links for 'Gradebook', 'Roster', 'Teams', and 'Attendance'. The 'PSU Data Management' section includes links for 'Course Files Manager', 'Import Console', 'Export Console', 'Date Manager', 'Keyword Manager', 'Assessment Question Bank Manager', and 'Survey Question Bank Manager'.

Course Management	PSU Data Management
Gradebook Manage both on-line and off-line grades for this Course	Course Files Manager Manage Course files
Roster Manage enrollments and rights	Import Console Manage content from the content library or a file
Teams Manage team enrollments and settings	Export Console Manage content for backup or distribution
Attendance Take attendance and review attendance information	Date Manager Change the date settings for all content associated with this course
	Keyword Manager Change the keywords for all content associated with this course
	Assessment Question Bank Manager Create, edit and manage assessment items
	Survey Question Bank Manager

Create a Folder 'Assignment';

Run Excel Generator

Choose the Assignment Template, Assignment Folder

Generate

Grade

Browse Assignment Path

Browse Assignment Template

Browse Name List

Generate

Click Generate

Grade

Preparation

Put All the students homework(.xlsx) in one folder;

[illegible]

Get a Answer Template which is the same as the Assignment and put the correct answer in Numeric Value or Formula inside each cell;

D14		fx		=C14											
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	
1	AMORTIZATION TABLE														
2	30-year fixed-rate mortgage														
3															
4	Initial Loan Amount		\$200,000.00	Mortgage Constant			0.005995505								
5	Interest Rate		6.00%												
6	Term in Years		30												
7	Origination Date		15-Jan-14												
8	Interest Accrual Days		16												
9	Interest Accrual		\$ 533.33												
10															
11															
12	Date	End of Month	Opening Balance	Monthly Payment	Interest Paid	Principal Paid	Ending Balance								
13	31-Jan-14	0	\$200,000.00	\$ -	\$ 533.33	\$ -	\$200,000.00	Assume payments are due on the 1st of each month You need to fill in the correct formulas to create the amortization schedule. Your table should be flexible and accommodate mortgages with terms up to 40-years You will need to program the table using "=IF" statements to build-in the necessary flexi							
14	28-Feb-14	1	\$200,000.00	\$200,000.00											
15	31-Mar-14	2		\$2.00											
16	30-Apr-14	3		\$3.00											
17	31-May-14	4		\$4.00											
18	30-Jun-14	5		\$5.00											
19	31-Jul-14	6		\$6.00											
20	31-Aug-14	7		\$200,100.00											
21	30-Sep-14	8		\$8.00											
22	31-Oct-14	9		\$9.00											
23	30-Nov-14	10		\$10.00											
24	31-Dec-14	11		\$11.00											
25	31-Jan-15	12		\$12.00											
26	28-Feb-15	13		\$13.00											
27	31-Mar-15	14		\$400,000.00											

Create Folder 'After' and 'Report' under the same folder with the 'Assignment' Folder;

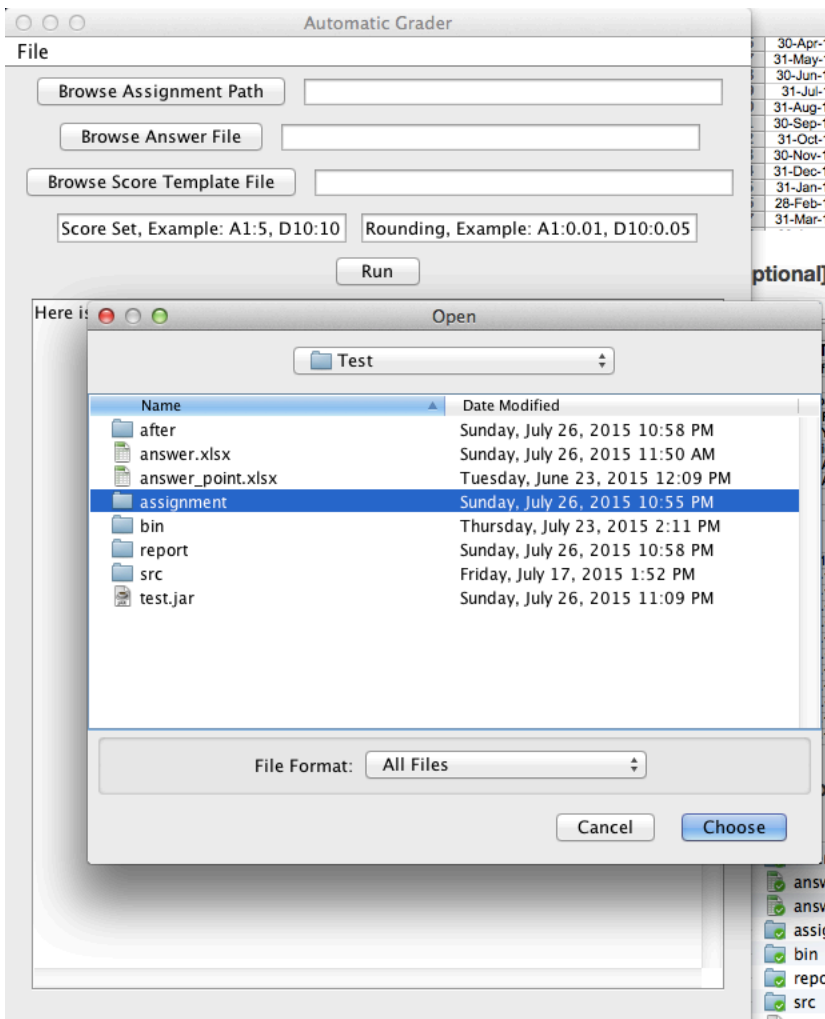
Name	Date Modified	Size	Kind
after	Yesterday, 10:58 PM	--	Folder
answer_point.xlsx	Jun 23, 2015, 12:09 PM	38 KB	Micros...kbook
answer.xlsx	Yesterday, 11:50 AM	36 KB	Micros...kbook
assignment	Yesterday, 10:55 PM	--	Folder
bin	Jul 23, 2015, 2:11 PM	--	Folder
report	Yesterday, 10:58 PM	--	Folder
src	Jul 17, 2015, 1:52 PM	--	Folder

Use the same template to set points for each cell. This is optional and it supports to find all errors in the students' assignments;

G37		fx												
	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	AMORTIZATION TABLE													
2	30-year fixed-rate mortgage													
3														
4	Initial Loan Amount		\$200,000.00		Mortgage Constant		0.005995505							
5	Interest Rate		6.00%											
6	Term in Years		30											
7	Origination Date		15-Jan-14											
8	Interest Accrual Days		16											
9	Interest Accrual		\$ 533.33											
10														
11														
12	Date	End of Month	Opening Balance	Monthly Payment	Interest Paid	Principal Paid	Ending Balance							
13	31-Jan-14	0	\$200,000.00		\$ 533.33	\$ -	\$200,000.00	Assume payments are due on the 1st of each month You need to fill in the correct formulas to create the amortization schedule. Your table should be flexible and accommodate mortgages with terms up to 40-years You will need to program the table using "=IF" statements to build-in the necessary flexi						
14	28-Feb-14	1	\$200,000.00	0.05										
15	31-Mar-14	2		0.05										
16	30-Apr-14	3		0.05										
17	31-May-14	4		0.05										
18	30-Jun-14	5		0.05										
19	31-Jul-14	6		0.05										
20	31-Aug-14	7		0.05										
21	30-Sep-14	8		0.05										
22	31-Oct-14	9		0.05										
23	30-Nov-14	10		0.05										
24	31-Dec-14	11		0.05										

Run Excel Grader

Choose the Assignment Folder, Answer File and the optimal Score file;



Set Score and Rounding following the examples. In the score set box, the score set for each cell in separated by ',' and 'A1:5' means the score for A1 is 5pt while the total score is 100. In the rounding set box, 'A1:0.01' means the answer will be correct if it is in the range [answer-0.01, answer+0.01].

D16:20, D17:20, D18:20, D19:20

Click Run

Outputs

Report in the User Interface;

Automatic Grader

File

Browse Assignment Path: :rs/bambool/Dropbox/excel/Test/./assignment

Browse Answer File: :rs/bambool/Dropbox/excel/Test/./answer.xlsx

Browse Score Template File:

D16:20, D17:20, D18:20,D19:20 D17:5

Run

Here is the report:

Report for 1.xlsx

Cell D15 is wrong, 20.0pt is deducted!
 Cell D16 is wrong, 20.0pt is deducted!
 Your total point for this assignment is 60.0

Report for 2.xlsx

Cell D16 is wrong, 20.0pt is deducted!
 Your total point for this assignment is 80.0

Report for each student in the Report Folder. Only the cell settled score will be presented in the report;

report_1.xlsx.txt

Report for 1.xlsx

Cell D15 is wrong, 20.0pt is deducted!
 Cell D16 is wrong, 20.0pt is deducted!
 Your total point for this assignment is 60.0

Name	Date Modified	Size	Kind
report_1.xlsx.txt	Today, 12:36 PM	148 bytes	Plain Text
report_2.xlsx.txt	Today, 12:37 PM	107 bytes	Plain Text

Incorrect cell marked in the after Folder. All the mistake cells will be marked;

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	AMORTIZATION TABLE													
2	30-year fixed-rate mortgage													
3														
4	Initial Loan Amount		\$200,000.00		Mortgage Constant		0.005995505							
5	Interest Rate		6.00%											
6	Term in Years		30											
7	Origination Date		15-Jan-14											
8	Interest Accrual Days		16											
9	Interest Accrual		\$ 533.33											
10														
11														
12	Date	End of Month	Opening Balance	Monthly Payment	Interest Paid	Principal Paid	Ending Balance	Assume payments are due on the 1st of each month You need to fill in the correct formulas to create the amortization schedule. Your table should be flexible and accommodate mortgages with terms up to 40-years You will need to program the table using "=IF" statements to build-in the necessary flexi						
13	31-Jan-14	0	\$200,000.00	\$ -	\$ 533.33	\$ -	\$200,000.00							
14	28-Feb-14	1	\$200,000.00											
15	31-Mar-14	2												
16	30-Apr-14	3												
17	31-May-14	4		\$1.00										
18	30-Jun-14	5		\$5.00										
19	31-Jul-14	6		\$6.00										
20	31-Aug-14	7												
21	30-Sep-14	8												
22	31-Oct-14	9		\$9.00										
23	30-Nov-14	10												
24	31-Dec-14	11		\$11.00										
25	31-Jan-15	12		\$12.00										
26	28-Feb-15	13		\$13.00										
27	31-Mar-15	14												
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Plagiarism Detection

Hidden Watermark Check (Directly displayed in the report, false means plagiarism detected);

Track Change History is shown when you check respectively in the assignment file.

Home				Layout		Tables		Charts		SmartArt		Formulas		Data		Review		Developer							
Proofing				Comments						Protection															
ABC Spelling				New		Delete		Previous		Next		Show		Show All		Sheet		Workbook		Passwords		Permissions		Share Workbook	
N6				fx																					
1				A		B		C		D		E		F		G		H		I					
2				AMORTIZATION TABLE				Name		eee															
3				30-year fixed-rate mortgage																					
4				Initial Loan Amount		\$1,000.00																			
5				Interest Rate		6																			
6				Term in Years		30																			
7				Origination Date		15-Jan-14																			
8				Interest Accrual Days		16																			
9				Interest Accrual		\$ 268.33																			
10				PSA		0																			
11				Servicing Fee		0																			
12				Pass-through Rate		5																			
13																									
14																									
15				Date		End of Month		CPR														Prepayment			
16				31-Jan-14		0		0														\$		-	
17				28-Feb-14		1		0.00																\$166.65	
18				31-Mar-14		2		0.00																\$333.22	
19				30-Apr-14		3		0.00																\$499.63	
20				31-May-14		4		0.00																\$665.77	
21				30-Jun-14		5		0.01																\$831.58	
22				31-Jul-14		6		0.01																\$996.96	
23				31-Aug-14		7		0.01																\$1,161.82	
24				30-Sep-14		8		0.01																\$1,326.09	
25				31-Oct-14		9		0.018000		0.001813		\$985,927.82		\$5,959.44		\$4,929.84		\$1,029.80						\$1,489.68	
26				30-Nov-14		10		0.020000		0.001682		\$983,408.35		\$5,950.42		\$4,917.04		\$1,033.38						\$1,652.49	
27				31-Dec-14		11		0.022000		0.001852		\$980,722.47		\$5,940.41		\$4,903.61		\$1,036.80						\$1,814.46	
28				31-Jan-15		12		0.024000		0.002022		\$977,871.22		\$5,929.41		\$4,889.36		\$1,040.05						\$1,975.49	
29				28-Feb-15		13		0.026000		0.002193		\$974,855.67		\$5,917.42		\$4,874.28		\$1,043.14						\$2,135.50	
30				31-Mar-15		14		0.028000		0.002364		\$971,877.04		\$5,904.44		\$4,858.39		\$1,046.06						\$2,294.40	
31				30-Apr-15		15		0.030000		0.002535		\$968,336.58		\$5,890.49		\$4,841.68		\$1,048.80						\$2,452.12	
32				31-May-15		16		0.032000		0.002707		\$964,835.65		\$5,875.55		\$4,824.18		\$1,051.37						\$2,608.58	
33				30-Jun-15		17		0.034000		0.002878		\$961,175.70		\$5,859.65		\$4,805.88		\$1,053.77						\$2,763.68	
34				31-Jul-15		18		0.036000		0.003051		\$957,358.25		\$5,842.78		\$4,786.79		\$1,055.98						\$2,917.36	
35				31-Aug-15		19		0.038000		0.003223		\$953,384.90		\$5,826.94		\$4,766.92		\$1,058.03						\$3,069.54	
36				30-Sep-15		20		0.040000		0.003396		\$949,257.33		\$5,806.18		\$4,746.29		\$1,059.90						\$3,220.13	
37				31-Oct-15		21		0.042000		0.003569		\$944,977.30		\$5,786.47		\$4,724.89		\$1,061.58						\$3,369.06	
38				30-Nov-15		22		0.044000		0.003743		\$940,546.66		\$5,765.81		\$4,702.73		\$1,063.08						\$3,516.66	

