

ISYS 350, Spring 22, Assignment 9 with 2 Extra Credits

Due Date: Must submit on or before Wednesday, 5/25/22

Redo assignment 4, part 2 amortization table using JavaScript. The amount to interest column is calculated by multiplying the previous month's remaining balance (initially equals to the loan) by the monthly rate (annual rate/12). The amount to principal is calculated by subtracting the amount to interest from the monthly payment. The remaining balance is calculated by subtracting the amount to principal from the previous month's remaining balance.

Requirement: Alternating rows with two colors of your choice.

Test your program with: loan=30000, rate=0.059 and term in months=12. Submit the webpage screenshot with inputs and result, and the source code.

Vehicle Loan Amortization

Enter Loan amount:

Enter interest rate:

Enter term in months:

Show Table

Payment#	Monthly Payment	Amount to Interest	Amount to Principal	Remaining Balance
1	\$2580.61	\$147.50	\$2433.11	\$27566.89
2	\$2580.61	\$135.54	\$2445.08	\$25121.81
3	\$2580.61	\$123.52	\$2457.10	\$22664.71
4	\$2580.61	\$111.43	\$2469.18	\$20195.53
5	\$2580.61	\$99.29	\$2481.32	\$17714.21
6	\$2580.61	\$87.09	\$2493.52	\$15220.69
7	\$2580.61	\$74.84	\$2505.78	\$12714.91
8	\$2580.61	\$62.51	\$2518.10	\$10196.81
9	\$2580.61	\$50.13	\$2530.48	\$7666.33
10	\$2580.61	\$37.69	\$2542.92	\$5123.41
11	\$2580.61	\$25.19	\$2555.42	\$2567.99
12	\$2580.61	\$12.63	\$2567.99	\$0.00

Two extra credits: Create a webpage with one division. In the division, create a Monthly Payment Calculator similar to assignment 8, and with an extra textbox for users to enter the amount of affordable monthly payment. You may choose the style you want for the division with the background color and other styles of your choice. If the monthly payment is greater than the affordable amount, display the payment with a red color background, otherwise display the payment with a green color background. Submit the source code including the CSS code and JavaScript code, and the html code with the screenshot.

Monthly Payment Calculator

Enter loan:

Select rate:

Select term:

10 year

15 year

30 year

Add 0.5% to rate for loan more than \$750,000

Veteran rate reduces 0.5%

Enter Affordable payment:

Monthly payment: