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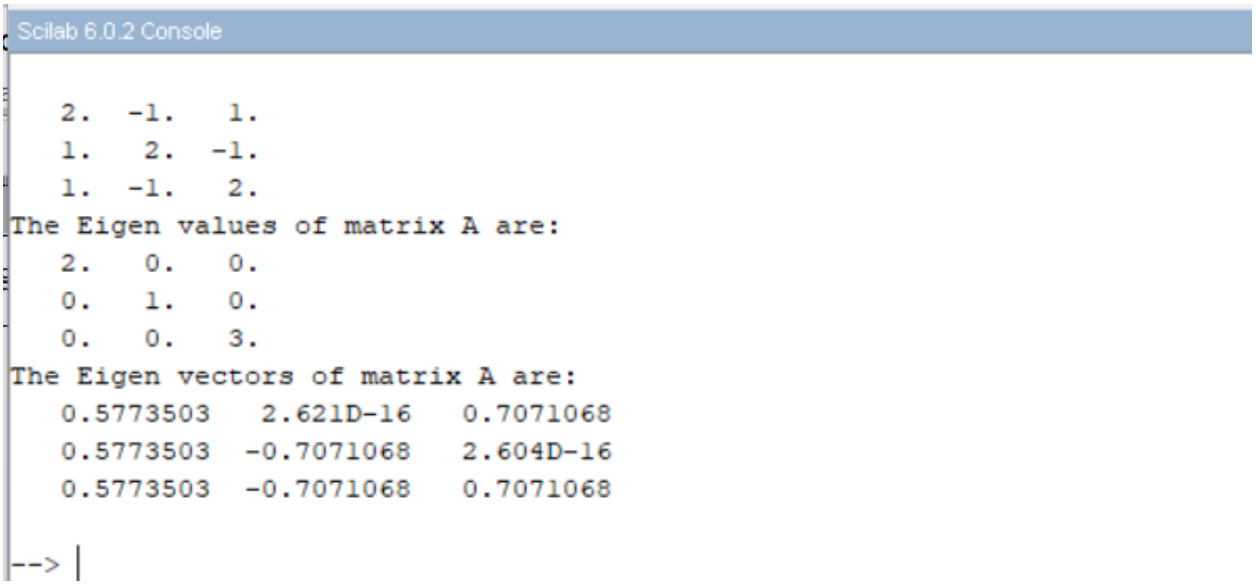
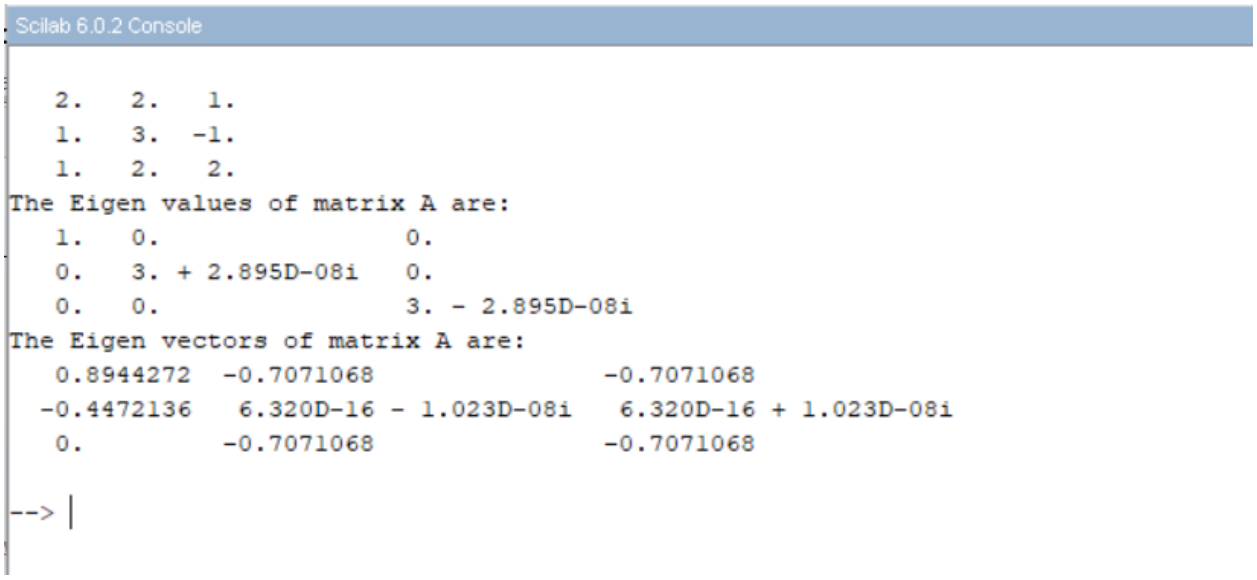
Experiment 9	
AIM :	Implementation of Eigen values and Eigen Vectors in Scilab.

Code 1	*//Eigen values and vectors:*
	clc
	A=[2 -1 1; 1 2 -1 ; 1 -1 2];
	disp(A);
	[c,d]=spec(A);
	printf("The Eigen values of matrix A are:");
	disp(d);
	printf("The Eigen vectors of matrix A are:");
	disp(c);

Output 1	

Code 2	*//Eigen values and vectors:*
	clc
	A=[2 2 1; 1 3 -1;1 2 2];
	disp(A);
	[c,d]=spec(A);
	printf("The Eigen values of matrix A are:");
	disp(d);
	printf("The Eigen vectors of matrix A are:");
	disp(c);

Output 2	
CONCLUSION:	Hence, by completing this experiment I came to know about Implementation of Eigen values and vectors in Scilab.