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| **Experiment 8** | |
| **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. |