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| **Experiment 5** | |
| **AIM :** | Implementation of Gauss Elimination in Scilab. |
| **Code** | A = [1 1 1;1 2 3;1 3 2]  disp(A);  B = [3;0;3]  disp(B);  C = [A,B]  disp(C);  n = 3;  for i=1:n  C(i,:) = C(i,:)/C(i,i);  disp(C)  for j=1:n-1  if i+j<n+1  C(i+j,:)= C(i+j,:)-C(i+j,i)\*C(i,:)  end  end  disp(C)  end  z=C(3,4);  y=C(2,4)-C(2,3)\*z;  x=C(1,4)-C(1,3)\*z-C(1,2)\*y;  printf("X=");  disp(x);  printf("Y=");  disp(y);  printf("Z=");  disp(z); |
| **Output** |  |
| **CONCLUSION:** | Hence, by completing this experiment I came to know about Implementation of Gauss Elimination in Scilab. |