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| **Experiment 7** | |
| **AIM :** | Implementation of Gauss Jacobi in Scilab. |
| **Code** | clc  A=[5 -2 3;-3 9 1; 2 -1 -7];  B=[-1;2;3];  n=5  x=0;  y=0;  z=0;  for i=1:n  printf("\nIteration number: %g",i);  X=(B(1)-A(1,2)\*y-A(1,3)\*z)/A(1,1);  Y=(B(2)-A(2,1)\*x-A(2,3)\*z)/A(2,2);  Z=(B(3)-A(3,1)\*x-A(3,2)\*y)/A(3,3);  printf("\nTHE value of x:%g",X);  printf("\nTHE value of y:%g",Y);  printf("\nTHE value of z:%g",Z);  x=X;  y=Y;  z=Z;  end |
| **Output** |  |
| **CONCLUSION:** | Hence, by completing this experiment I came to know about Implementation of Gauss Jacobi in Scilab. |