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| **Experiment 9:** Write a program to read the marks of 10 students in 5 subjects calculate the average and assign grades. Now draw its graph matrix and find its V(G). |
| **Solution:**  1. #include<stdio.h>  2. int main()  3. {  4. float marks[10][6], student\_total;  5. char stu\_grade;  6. int i, j;  7. for(i = 0; i < 10; i++){  8. printf("\nStudent-%d:\n", i);  9. student\_total = 0;  10. for(j = 0; j < 5; j++){  11. printf("Subject-%d: ", j);  12. scanf("%f", &marks[i][j]);  13. student\_total += marks[i][j];  14. }  15. marks[i][5] = student\_total/5.0;  16. }  17. for(i = 0; i < 10; i++){  18. printf("\n\nStudent-%d Average: %f", i, marks[i][5]);  19. }  20. printf("\n\n");  21. for(i = 0; i < 10; i++){  22. if(marks[i][5] <= 4){stu\_grade = 'F';}  23. else if(marks[i][5] <= 5){stu\_grade = 'E';}  24. else if(marks[i][5] <= 6){stu\_grade = 'D';}  25. else if(marks[i][5] <= 7){stu\_grade = 'C';}  26. else if(marks[i][5] <= 8){stu\_grade = 'B';}  27. else{stu\_grade = 'A';}  28. printf("Student-%d Grade: %c\n", i, stu\_grade);}  29. return 0;  30. } |