```
/***      Program to Print Transpose of a Matrix      ***/

#include <stdio.h>

main()
{
      int a[10][10], i, j, row, col;

      printf("\nEnter no. of rows & columns: ");
      scanf("%d %d", &row, &col);

      printf("\nEnter elements of Matrix:\n");
      for (i=0; i<row; i++)
            for (j=0; j<col; j++)
              scanf("%d", &a[i][j]);

      printf("\n\nElements of Matrix:\n\n");
      for (i=0; i<row; i++)
      {
            for (j=0; j<col; j++)
              printf("\t%d", a[i][j]);
            printf("\n\n");
      }

      printf("\n\nTranspose of Matrix:\n\n");
      for (i=0; i<col; i++)
      {
            for (j=0; j<row; j++)
              printf("\t%d", a[j][i]);
            printf("\n\n");
      }

      getch();
}
```