```
/*This is a program code to read date from a file with matrix information*/
#include <stdio.h>
#include <stdlib.h>
                         //need to be included
#include "../new_util/nrutil_new.c"
#define SIZE V 5
#define NUM_R 5
#define NUM_C 3
int main(void)
//int main(int argc, char *argv[])
 FILE *fp1, *fp2;
 double *vector_test;
 double **matrix_test;
 int i, j, k;
 vector_test = d_vector(SIZE_V); //allocation of memory
 matrix_test = d_matrix(NUM_R, NUM_C); //allocation of memory
  //if(argc != 3) message_error("Number of parameter is incompatible.");
  //fp1 = fopen(argv[1], "r");
  //fp2 = fopen(argv[2], "r");
  fp1 = fopen("vector_test2.dat", "r");
  fp2 = fopen("matrix_test2.dat", "r");
  if (fp1 == NULL) message_error("File cannot be opened.");
  if (fp2 == NULL) message_error("File cannot be opened.");
#ifdef VECTOR
  for(i = 1; i <= SIZE_V; i++) {</pre>
    fscanf(fp1, "%lf,", &vector_test[i]); //for file with comma separation
  }
 for(i = 1; i <= SIZE_V; i++) {</pre>
    printf("%lf\n", vector_test[i]);
  }
#endif
  //end if of VECTOR
#ifdef MATRIX
 for(i = 1; i <= NUM_R; i++) {</pre>
    for(j = 1; j <= NUM_C; j++) {</pre>
      fscanf(fp2, "%lf;", &matrix_test[i][j]);
    }
  }
  for(i = 1; i <= NUM_R; i++) {</pre>
    for(j = 1; j <= NUM_C; j++) {</pre>
      printf("%lf\t", matrix_test[i][j]);
    printf("\n");
  }
#endif
  //end if of MATRIX
```