```c
/* Main */
int main(int argc, char** argv)
{
    cublasStatus_t status;
    float* h_A;
    float* h_B;
    float* h_C;
    float* h_C_ref;
    float* d_A = 0;
    float* d_B = 0;
    float* d_C = 0;
    float alpha = 1.0f;
    float beta = 0.0f;
    int n2 = N * N;
    int i;
    float error_norm;
    float ref_norm;
    float diff;
    cublasHandle_t handle;

    shrQAStart(argc, argv);

    /* Initialize CUBLAS */
    printf("simpleCUBLAS test running..\n");

    status = cublasCreate(&handle);
    if (status != CUBLAS_STATUS_SUCCESS) {
        fprintf (stderr, "!!!! CUBLAS initialization error\n");
        return EXIT_FAILURE;
    }
```