```
/* Check result against reference */
error_norm = 0;
ref_norm = 0;
for (i = 0; i < n2; ++i) {
    diff = h_C_ref[i] - h_C[i];
    error_norm += diff * diff;
    ref_norm += h_C_ref[i] * h_C_ref[i];
}
error_norm = (float)sqrt((double)error_norm);
ref_norm = (float)sqrt((double)ref_norm);
if (fabs(ref_norm) < 1e-7) {
    fprintf (stderr, "!!!! reference norm is 0\n");
    return EXIT_FAILURE;
}

/* Memory clean up */
free(h_A);
free(h_B);
free(h_C);
free(h_C_ref);
if (cudaFree(d_A) != cudaSuccess) {
    fprintf (stderr, "!!!! memory free error (A)\n");
    return EXIT_FAILURE;
}
if (cudaFree(d_B) != cudaSuccess) {
    fprintf (stderr, "!!!! memory free error (B)\n");
    return EXIT_FAILURE;
}
if (cudaFree(d_C) != cudaSuccess) {
    fprintf (stderr, "!!!! memory free error (C)\n");
    return EXIT_FAILURE;
}
```