1. Write your name below.

2. Provide a SQL script that creates tables `Accts(id, name, address)` and `Images(id, acct, size, loc)` for storing information on images (e.g., JPEG files) and the accounts to which they belong. Use suitable key and not-null constraints, and a constraint to ensure that image sizes are in the range $(0, 1000]$. Add statements to ensure that only accounts that own at least one image appear in `Accts` and, conversely, only images associated with a known account appear in `Images`. Also add statements to ensure that the total size of all images for any account is at most 10^6. Finally, include statements to insert one account tuple and one image tuple.

3. Provide triggers that are equivalent to the constraint *c1*:

```
alter table R add constraint c1 foreign key (A, B)
    references S(D, B);
```

4. Explain how the aggregate image size constraint of Question 2 may be enforced at the DBMS-level (not application level) by a a database system that does not support SQL assertions, but that does support triggers.