

- **Joining:**
 - So far, we had a single table. To work with more than one table we need to use the “JOIN” command.
 - In the bottom box enter:
 - `SELECT TOP 10 h1.ra, h1.dec, h1.hip, t1.hip FROM public.hipparcos_newreduction AS h1 JOIN public.tycho2 AS t1 USING (hip)`
 - NOTES: JOIN is a combination of cartesian product and a select. It yields the cartesian product of the hipparcos and tycho2 tables but only retains the rows in which the hip columns in both tables agree.

All the above is just a very basic introduction to TAP / ADQL. If you want to know more, the following URLs can be useful:

- <http://docs.g-vo.org/adql-gaia/html/twoup.pdf>
- <http://tapvizier.u-strasbg.fr/adql/help.html>

Also, more examples of queries can be found by clicking “Examples” in the “Table Access Protocol (TAP) Query” window of TOPCAT.