1. **Returns simulation runs**
   1. Give me sorted list of sim runs based on incremental coverage of bins
   2. Show sim runs where a level is present between *1.2V* to *1.6V*
   3. Show sim runs where a glitch is present in [t1 : t2] sec
   4. Show sim runs where the bins in [2.1 : 2.4] were reached
   5. Show sim runs where the bins in [2.1 : 2.4] were **not** reached
   6. Show simulation runs where range or levels reached out of target bounds
   7. Show sim runs where V(Vout) between a particular threshold
2. **Returns bins**
   1. Which bins are covered less than *5*% of the simulations ? (can query for more as well)
   2. Give a comparison of bins covered at parent level and child level (not only between parent and child may be between any two simulation)
   3. Bins reached by the signal in [t1:t2] sec
   4. Give me the set of bins that are hit in sim1’s V(vout) and sim2’s I(Vout) ?
   5. Give me the set of bins that are hit in a particular simulation
   6. Count the number of bins that are hit in the time interval [t1:t2] sec
3. **Hierarchical Queries**
   1. 2a -> 1b
   2. 1a -> 2a -> 1b
   3. 2c -> 1a -> 2a -> 1b
   4. 1b, 1c -> 2b

TIme can also be a domain

For eg: Give me the time intervals where the glitches were found in a given simulation or in the set of simulations?

Aggregation operators:

Find the max interval range that is attained by the set of sim id’s 1,5,4,....

Find the average bin hits between the time interval [t1:t2] sec or avg bin hits for the given simulation id’s .

Give me the total range/level coverage of the simulations having sim\_id ,3,5,....