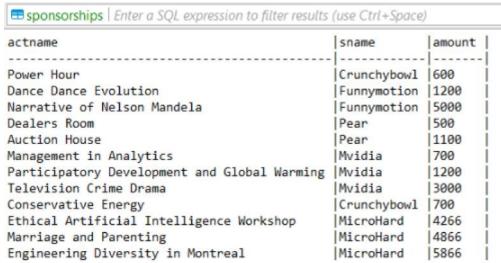
Question 1

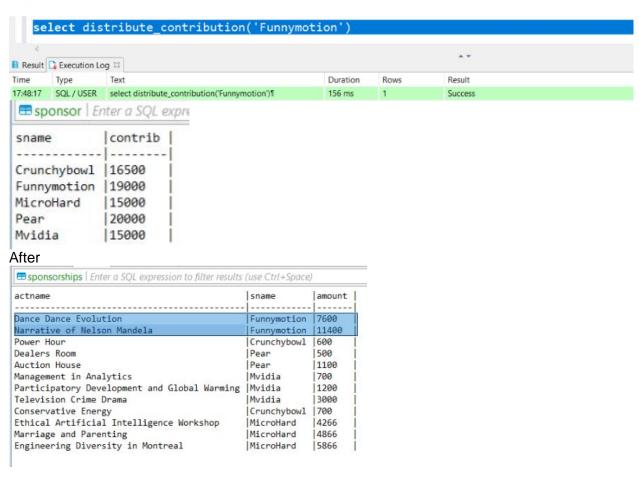
 Procedure for updating funding of sponsors. The sponsor has a contribution fund, found in the Sponsor relation, that is the amount they invested in the convention as a whole. They also have individual funding for each activity they sponsor, found in the Sponsorships relation. The procedure computes the amount of contribution money the sponsor hasn't yet spent on activities, and equally distributes it amoung activity funding.

Input: A valid Sponsor name

Before

Function Execution





Question 3

- Index *Staff* on <u>hours</u>. When modifying the global max hours, we need to get all the members of staff whose hours exceed the new global maximum. Indexing staff on hours allows us to perform this operation faster.
- Index *Sponsorships* on <u>sname</u>. When altering the contribution for a sponsor, the user can also alter the sponsor's funding for individual activities. By indexing sponsorships on sname, we will be able to find all the records of an individual sponsor faster.

Creativity

 Trigger: every time a new activity is added to a staff member's schedule, check whether the new total hours assigned to this staff member still respect their supposed total amount of work hours.