CSCI 530 Lab – Authorization
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Question 1

baseline case:

	bill	mary	joe
strategies	Yes This user belongs to group ‘executives’ and it allows reading permissions for that group	No It (strategies) cannot be read by others (640)	No It (strategies) cannot be read by others (640)
salaries	No The ‘salaries’ cannot be read by others (660)	Yes This user belongs to group ‘human resources’ and it allows reading permissions for that group	No The salaries cannot be read by others (660)
workschedule	Yes The ‘workschedule’ can be read by others (644)	Yes The ‘workschedule’ can be read by others	Yes This user belongs to group ‘employees’ and it allows reading permissions for that group

modified case:

	bill	mary	joe
strategies	Yes This user belongs to group ‘executives’ and it allows reading permissions for that group	No It (strategies) cannot be read by others (640)	Yes It is allowed by access control lists (ACL)
salaries	Yes It is allowed by access control lists (ACL)	Yes This user belongs to group ‘human resources’ and it allows reading	Yes It is allowed by access control lists (ACL)

		permissions for that group	
workschedule	Yes The ‘workschedule’ can be read by others (644)	Yes The ‘workschedule’ can be read by others (644)	Yes This user belongs to group ‘employees’ and it allows reading permissions for that group

1. Above you wrote predictions in the grids for both the baseline "before" case and the modified "after" case following creation of an ACL. Then you tested them. Maybe all your predictions were right, maybe not. Now, go ahead and change the predictions (in the tables above), as needed, to reflect the actual empirical outcomes you saw. "Yes" or "no" should appear in each cell. In each, under "yes" or "no," write the very brief reason for that outcome. Do this for both of the grids appearing above.

2. When you assigned identical passwords to bill, mary, and joe, different content appeared for each user in the /etc/shadow file where passwords are stored. Why?

The above passwords stored appear to be different because the system arbitrarily generates a random salt and hashes it with the password before hashing the password. Hence, the combination of password and salt turns out to be different.