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| A close up of a logo  Description automatically generated |
| CS/IS 234  Lab 8: Joins and Multi-table operation  Thursday, November 10, 2019  Radu Enachi  Introduction:  Chapter 8 will bring us new techniques and new tools to work with multi-table design.  SELECT profession FROM my\_contacts GROUP BY profession ORDER BY profession; |

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CREATE TABLE interest  
(  
 int\_id int not null auto\_increment primary key,  
 interst varchar(50)  
)AS  
 select interests, interest1 from my\_contacts  
 group by interests, interest1;

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CREATE TABLE profession(  
 id INT NOT NULL AUTO\_INCREMENT PRIMARY KEY,  
 profession VARCHAR(20)  
)AS  
 SELECT profession AS mc\_prof FROM my\_contacts  
GROUP BY mc\_prof  
ORDER BY mc\_prof;

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SELECT profession AS mc\_prof FROM my\_contacts AS mc  
GROUP BY mc\_prof  
ORDER BY mc\_prof;

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use radu\_multi\_table;  
SELECT t.toy, b.boy  
FROM toys AS t CROSS JOIN boys AS b;

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SELECT mc.last\_name, mc.first\_name, p.profession FROM my\_contacts AS mc INNER JOIN profession p on mc.profession = p.profession;

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SELECT boys.boy, toys.toy FROM boys INNER JOIN toys ON boys.toy\_id <> toys.toy\_id  
ORDER BY boys.boy;

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SELECT boys.boy, toys.toy FROM boys NATURAL JOIN toys;

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