

PROG8080 Database Management Assignment 2

Use the SIS database for this assignment. Due June 4 11:59pm

#	Question	Table(s)	Marks
1.	List the number of characters in <i>firstName</i> aliased as 'First Name Length' for all persons. Show each column length only once. Sort the results by number of characters in descending order.	Person	2
2.	List the <i>firstName</i> , the first letter of <i>firstName</i> aliased as 'First Initial', and the first letter of <i>firstName</i> in lower case aliased as 'Lower First Initial' for all persons whose <i>lastName</i> starts with 'P'. Sort the results by <i>firstName</i> in ascending order. Use LEFT() throughout.	Person	4
3.	List the <i>lastName</i> , the first seven letters of <i>lastName</i> aliased as 'First Seven', and the first seven letters of <i>lastName</i> in lower case aliased as 'Lower First Seven' for all persons whose <i>lastName</i> starts with 'P'. Sort the results by <i>lastName</i> in ascending order. Use SUBSTRING() throughout.	Person	4
4.	List user id's for all persons whose last name starts with 'P'. The user id consists of the first letter of the first name and the first seven letters of the last name, all in lower case. Alias the user id 'User Id', and sort the results in ascending 'User ID' order. Use either LEFT() or SUBSTRING() as you wish.	Person	6
5.	List <i>number</i> aliased as 'Course Code' and <i>name</i> aliased as 'Course Name' for all courses that have the word 'Database' in their name. Do not use LIKE.	Course	3
6.	What is the date today, 30 days from today, 60 days from today, 90 days from today, and 120 days from today? Alias the columns 'Today', '30 Days', '60 Days', '90 Days' and '120 Days' respectively. Display all dates in YYYY.MM.DD format.	No table	5

#	Question	Table(s)	Marks
7.	<p>List <i>number</i> and <i>birthDate</i> for all employees sorted in ascending <i>birthDate</i> order formatted exactly like this:</p> <p>-----</p> <p>Employee Number: 8135170 Year: 1952 Month: 11 Day: 11 Employee Number: 6886352 Year: 1959 Month: 2 Day: 2 Employee Number: 6434468 Year: 1960 Month: 1 Day: 1 Employee Number: 3566163 Year: 1960 Month: 7 Day: 7 Employee Number: 3214350 Year: 1963 Month: 1 Day: 1 Employee Number: 3455730 Year: 1963 Month: 1 Day: 1 Employee Number: 7572373 Year: 1967 Month: 9 Day: 9 Employee Number: 5512736 Year: 1972 Month: 1 Day: 1 Employee Number: 3514239 Year: 1972 Month: 7 Day: 7 Employee Number: 8383259 Year: 1977 Month: 5 Day: 5 Employee Number: 2117745 Year: 1984 Month: 10 Day: 10</p> <p>Use a join to connect employee and person table data.</p> <p>a) Use YEAR(), MONTH() and DAY().</p> <p>b) Use DATEPART().</p>	<p>Person</p> <p>Employee</p>	<p>a) 8</p> <p>b) 8</p>
			40