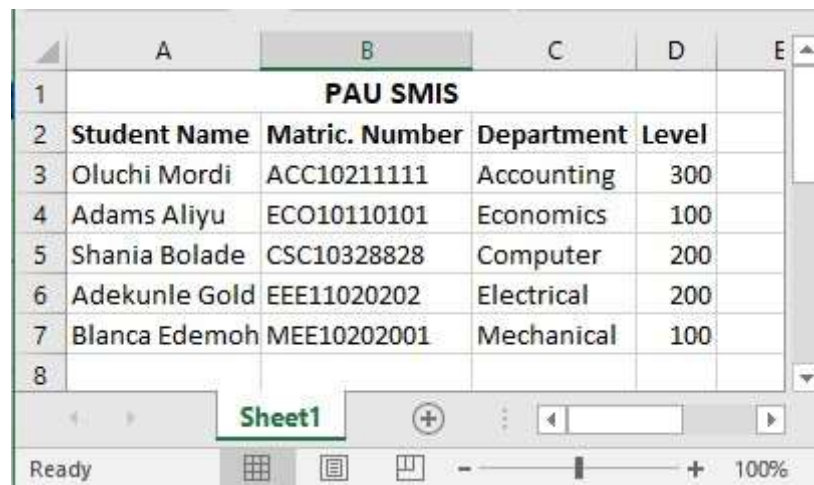


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Question I

PAU uses a “Student Management Information System” (PAU-SMIS) to manage student-related data. This system provides facilities for recording and maintaining personal details of students, maintaining marks scored in assessments and computing results of students, keeping track of student attendance, managing many other student-related data.

With your high level programming skills, write a program that inputs the personal details of the students from the keyboard. Displays these details in a DataFrame and save in an excel file in the following format.



	A	B	C	D	E
1	PAU SMIS				
2	Student Name	Matric. Number	Department	Level	
3	Oluchi Mordi	ACC10211111	Accounting	300	
4	Adams Aliyu	ECO10110101	Economics	100	
5	Shania Bolade	CSC10328828	Computer	200	
6	Adekunle Gold	EEE11020202	Electrical	200	
7	Blanca Edemoh	MEE10202001	Mechanical	100	
8					

In []:



1

Question II

The global economy has over the years been affected by various scandals and market crisis, ranging from the stock market crash of 1987 to the I.T bubble of the early 2000s (famously called the dotcom bubble). Recent research has cited over-leverage which is the difference between the company’s assets and liability divided by the assets; as the major reason for some of the crisis. Researchers has also defined assets as things like the company’s shares or investments while liabilities are the company’s loans.

The recent financial crisis of 2020 saw companies like Enron corporation, Anderson corporation, GK Jones, Mica and Dune industries which were founded in 1987,1936,2001,1996 and 2008 respectively; all go bankrupt. More data are as follows:

	A	B	C
1	Company	Company's shares	Company's liability
2	Enron	1,000,000	200,000
3	Anderson	1,500,000	500,000
4	GK Jones	3,000,000	1,500,000
5	Mica	250,000	50,000
6	Dune	800,000	300,000
7			

You have been tasked to apply your algorithmic skills through python implementation in creating an excel file containing the companies, the date they were founded, their assets and liabilities as well as the various percentage leverages used by each company.

In []:

1