INDIAN SCHOOL AL WADI AL KABIR
Worksheet, 2019-20

Class: XI	Informatics Practices	Date of Completion: 01/12/2019
Worksheet No:8	TOPIC :MySQL and Python questions	All 8 questions to be solved in the Record book

I.   Create the table called Teacher and Insert the following records   (10)

ID	Name	Department	HireDate	Category	Gender	Salary
1	Tarun Nanda	Hindi	17-03-94	TGT	M	25000
2	Sanjay Sharma	English	12-02-90	PRT	M	20000
3	Nikhil Arora	Arts	16-05-80	PGT	M	30000
4	James Kaur	Science	16-10-89	TGT	M	25000
5	Jaspreet Sehgal	Science	01-08-90	PGT	F	22000

Answer the following queries:

1) To display all information about teachers of PGT category.
2) To list the names of female teachers of Hindi department.
3) To list names, departments, and hiring dates of all the teachers in ascending order of hiring date.
4) To display the Name, Category and Salary of teachers in English department.

2. Write a python program to print first 10 Fibonacci numbers.   **(10)**
3. Record Book and class note book   **(05)**
4. Viva-Voce   **(05)**

II.   Create the table Item and Insert the following records.   (10)

No	ItemName	CostPerItem	Quantity	DateofPurchase	Warranty	Operational
1	Computer	60000	9	2010-05-21	2	7
2	Printer	15000	3	2009-05-21	4	2
3	Scanner	18000	1	2007-08-29	3	1
4	Camera	21000	2	2011-06-13	1	2
5	Hub	Null	1	2009-04-13	2	1

Answer the following queries:

1) To select the Item Name purchased after 31-Oct-2010.
2) To list the Item Name in ascending order of the date of purchase where quantity is more than 3.
3) To display the details of Item in which Cost is not available.
4) To display the Item Name, Quantity and Warranty of the items with Warranty is more than 1.

1. Write a python program to check number 'N' is prime or not, where N is entered by a user.   **(10)**

2. Record Book and class note book   **(05)**
3. Viva-Voce   **(05)**

III.   **Create the table Doctor and Insert the following records**   **(10)**

ID	Name	Dept	Gender	Experience	ConstFee
201	R.K. Nath	ENT	M	12	300
457	Mahavir Singh	SKIN	M	Null	500
365	M. Asthana	MEDICINE	F	9	250
221	V. S. Nag	ENT	M	3	150
122	S. P. Sinha	NEPHRO	F	Null	200

Answer the following:

1) To display name of all doctors who are in Medicine having more than 10 years of experience.
2) To display the different departments.
3) To display Name, Department and consultation fee of female doctors.
4) To display name and department of male doctors who has no experience.

2. Write a python program to check the entered number N is an Armstrong number or not.   **(10)**
3, Record Book and class note book   **(05)**
4. Viva-Voce   **(05)**

IV.   **Create the table Furniture and Insert the following records**   **(10)**

NO	ITEM NAME	TYPE	DATEOFSTOCK	PRICE	DISCOUNT
1	White Lotus	Double Bed	2002-02-23	3000	25
2	Pink feathers	Baby Cot	2002-01-29	7000	20
3	Dolphin	Baby Cot	2002-02-19	9500	20
4	Decent	Office Table	2002-02-01	25000	30
5	Comfort zone	Double Bed	2002-02-12	25000	30

Answer the following**:**

1) To show all the information about the Baby cots from the furniture table.
2) To list the item name which are priced at more than 15000 from the furniture table.
3) To display item name and date of stock of those items, in which the discount percentage is more than 25 from the furniture table.
4) To display item name and discount whose TYPE is "Baby Cot" or "Double Bed" with the price is less than 8000.

2. Write a python program to check the number X is perfect or not.   **(10)**

3. Record Book and class note book   **(05)**
4.   Viva-Voce   **(05)**