



INDIAN SCHOOL SOHAR
INFORMATICS PRACTICES - XI (2016-17)
HOLIDAY HOMEWORK

1.

Consider the following table CLUB. Write SQL commands for the statements (a) to (z).

Column Name	Data Type	Length	Constraint
COACH_ID	NUMBER	5	Not Null
COACHNAME	VARCHAR	20	Not Null
AGE	NUMBER	2	Not Null
SPORTS	VARCHAR	20	Not Null
DATOFJOIN	DATE		Not Null
PAY	NUMBER	6	Not Null
SEX	CHAR	1	Not Null

COACH_ID	COACHNAME	AGE	SPORTS	DATOFJOIN	PAY	SEX
C01	KUKREJA	35	KARATE	1996-03-27	10000	M
C02	RAVINA	34	KARATE	1998-01-20	12000	F
C03	KARAN	34	SQUASH	1998-02-19	12000	M
C04	TARUN	33	BASKETBALL	1998-01-01	15000	M
C05	ZUBIN	36	SWIMMING	1990-01-12	7500	M
C06	KETAKI	36	SWIMMING	1998-02-24	6000	F
C07	ANKITA	39	SQUASH	1998-02-24	22000	F
C08	ZAREEN	37	KARATE	1998-02-28	11000	F
C09	KUSH	41	SWIMMING	1998-01-13	9000	M

- (a) To display a report, showing coach name, pay, age and bonus (15% of pay) for all the coaches.
- (b) Show all the information of male coaches who are getting salary in the range of 10000 to 20000.
- (c) To display all the information of coaches who are less than 35 years of age.
- (d) To display information of all the coaches whose name is starting with K and ending with last third characters as A.
- (e) Retrieve the information of all the coaches who has five-letter name.
- (f) To show the list of names of all the coaches with their date of joining (DATOFJOIN) in descending order.
- (g) Increase the pay of all the coaches by 1000 where PAY is less than 10000.
- (h) Change the age to 47 and sports to SWIMMING of coach whose coach_id is C08.
- (i) Delete all the records of female coaches who are below 36 years of age.

JAVA IDE PROGRAMMING:

- 1.
- a. Read the following case study and answer the questions that follow.
A Public School wants to computerize the employee salary section. The School is having two categories of employees i.e Teaching and Non-Teaching. The Teaching employees are further categorized into PGTs, TGTs and PRTs having different Basic salary. The School gives addition pay of 3000 for employees who are working for more than 10 years. Now answer the following questions:

The screenshot shows a Java Swing window with the following components:

- BASIC SALARY:** A text input field.
- GROSS SALARY:** A text input field.
- DEDUCTIONS:** A text input field.
- NET SALARY:** A text input field.
- EMPLOYEE CATEGORY:** Radio buttons for NON TEACHING, PRT, TGT, and PGT.
- MORE THAN 10 YEARS:** A checkbox.
- Buttons:** CALCULATE, CLEAR, and EXIT.

Employee Type	Basic Salary	Da(% Of Basic Sal)	Hra(% Of Basic Sal)	Deductions (% Of Basic Sal)
Non Teaching	12500	31	30	12
PGT	14500	30	30	12
TGT	12500	21	30	12
PRT	11500	20	25	12

- b. Write the code to Exit button to exit from running of the above program.
- c. Write the code to clear the fields where data entered and displayed for the right button.
- d. Write the code to calculate the Basic salary, deductions, gross salary and net salary based on the given specifications:
Add 3000 to net salary if employee is working for more than 10 years.
Gross salary=Basic salary + DA + HRA
Net salary = Gross salary – deductions