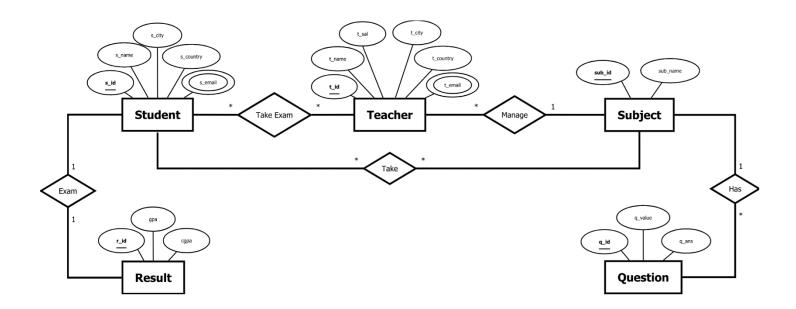
ER-Diagram

Scenario:

- 1. Each teacher has a unique teacher id, teacher name, monthly salary, email, city & country.
- 2. Each student has a unique student id, student name, email, city & country.
- 3. Teacher manages subject & takes exam of students. And student takes subject. Each subject has a name and unique subject id. A student can take more than one subjects.
- 4. A question can have many answers. Question is identified by question id & it has question value also.
- 5. Teacher takes exams & students take part in exam. Different exam happens for different subjects. For each student, exam has different results. Each result has unique string id and value.

ER-Diagram:



- Exam (s_id, s_name, s_email, s_country, s_city, r_id, gpa, cgpa)
 - o 1NF:
 - s_email is a multivalued attribute
 - o 2NF:
 - s_id, s_name, s_country, s_city
 - <u>s id</u>, s_email
 - adrs id, city, country
 - <u>r_id</u>, gpa, cgpa
 - o 3NF:

⇒ s_country, s_city is transitive dependency attributes.

- s id, s name
- s id, s email
- adrs id, city, country
- <u>r id</u>, gpa, cgpa

⇒ Exam Relation – Final Tables:

- s_id, s_name, adrs_id, r_id
- <u>s id</u>, s_email
- adrs id, city, country
- <u>r id</u>, gpa, cgpa

- Take Exam (s_id, s_name, s_email, s_country, s_city, t_id, t_name, t_sal, t_email, t_country, t_city)
 - o 1NF:
 - s_email is a multivalued attribute
 - t_email is a multivalued attribute
 - o 2NF:
 - s_id, s_name, s_country, s_city
 - <u>t</u> <u>id</u>, t_name, t_sal, t_country, t_city
 - s_id, s_email
 - <u>t_id</u>, t_email
 - adrs id, city, country
 - O 3NF:
- ⇒ s_country, s_city is transitive dependency attributes. ⇒ t_country, t_city is transitive dependency attributes.
- <u>s_id</u>, s_name
- <u>t_id</u>, t_name, t_sal,
- <u>s id</u>, s_email
- <u>t_id</u>, t_email
- adrs id, city, country

⇒ Take Exam Relation – Final Tables:

- s id, s_name, adrs_id
- <u>t</u> <u>id</u>, t_name, t_sal, <u>adrs_id</u>
- <u>s_id</u>, s_email
- <u>t_id</u>, t_email
- adrs id, city, country
- s id, t id Composite Primary Key

- Take (s_id, s_name, s_email, s_country, s_city, sub_id, sub_name)
 - o 1NF:
 - s_email is a multivalued attribute
 - o 2NF:
 - s_id, s_name, s_country, s_city
 - <u>s id</u>, s_email
 - adrs_id, city, country
 - sub_id, sub_name
 - 3NF:

⇒ s_country, s_city is transitive dependency attributes.

- <u>s_id</u>, s_name
- s_id, s_email
- adrs_id, city, country
- **sub_id**, sub_name

⇒ Take Relation – Final Tables:

- s_id, s_name, adrs_id
- <u>s_id</u>, s_email
- adrs id, city, country
- *sub id*, sub_name
- <u>s id</u>, <u>sub id</u> Composite Primary Key

- Manage (t_id, t_name, t_sal, t_email, t_country, t_city, sub_id, sub_name)
 - o 1NF:
 - t_email is a multivalued attribute
 - o 2NF:
 - <u>t_id</u>, t_name, t_sal, t_country, t_city
 - <u>t_id</u>, t_email
 - adrs_id, city, country
 - sub_id, sub_name
 - 3NF:

⇒ t_country, t_city is transitive dependency attributes.

- <u>t_id</u>, s_name, t_sal,
- t_id, t_email
- adrs_id, city, country
- sub_id, sub_name

⇒ Manage Relation – Final Tables:

- t_id, t_name, t_sal, adrs_id, sub_id
- t id, t email
- adrs id, city, country
- <u>sub id</u>, sub_name

- Has (sub_id, sub_name, q_id, q_value, q_ans)
 - o 1NF:
 - There are no multivalued attributes.
 - o 2NF:
 - sub_id, sub_name
 - q_id, q_value, q_ans
 - o 3NF:
- ⇒ There are no transitive dependency attributes.
- <u>sub_id</u>, sub_name
- q_id, q_value, q_ans

⇒ Has Relation – Final Tables:

- <u>sub_id</u>, sub_name
- q id, q_value, q_ans, sub_id

Final Table:

```
i.
       adrs id, city, country – address
 ii.
      <u>r id</u>, gpa, cgpa – result
      <u>sub_id</u>, sub_name – subject
 iii.
      s_id, s_name, adrs_id, r_id – student
 iv.
      <u>t id</u>, t_name, t_sal, adrs_id, sub_id – teacher
 ٧.
      q_id, q_value, q_ans, sub_id – question
 vi.
      <u>s_id</u>, s_email – std_email
vii.
viii.
     <u>t_id</u>, t_email – tchr_email
     <u>s id</u>, <u>t id</u> – std_tchr – Composite Primary Key
 ix.
      <u>s id</u>, <u>sub id</u> – std_sub – Composite Primary Key
  Χ.
```

❖ Address Table:

Column Name	Data Type	Nullable	Default	Primary Key
ADRS_ID	NUMBER(10,0)	No	-	1
CITY	VARCHAR2(20)	Yes	-	-
COUNTRY	VARCHAR2(20)	No	-	-
				1 - 3

❖ Result Table:

Column Name	Data Type	Nullable	Default	Primary Key
R_ID	NUMBER(10,0)	No	-	1
GPA	NUMBER(3,2)	No	0.00	-
CGPA	NUMBER(3,2)	No	0.00	-
				1 - 3

❖ Subject Table:

Column Name	Data Type	Nullable	Default	Primary Key
SUB_ID	NUMBER(10,0)	No	-	1
SUB_NAME	VARCHAR2(50)	No	-	-
				1 - 2

❖ <u>Teacher Table:</u>

Column Name	Data Type	Nullable	Default	Primary Key
T_ID	NUMBER(10,0)	No	-	1
T_NAME	VARCHAR2(50)	No	-	-
T_SAL	NUMBER(8,2)	No	-	-
ADRS_ID	NUMBER(10,0)	Yes	-	-
SUB_ID	NUMBER(10,0)	Yes	-	-
				1 - 5

o Teacher-Email Table:

Column Name	Data Type	Nullable	Default	Primary Key
T_ID	NUMBER(10,0)	No	-	1
T_EMAIL	VARCHAR2(50)	No	-	-
				1 - 2

❖ Student Table:

Column Name	Data Type	Nullable	Default	Primary Key
S_ID	NUMBER(10,0)	No	-	1
S_NAME	VARCHAR2(50)	No	-	-
ADRS_ID	NUMBER(10,0)	Yes	-	-
R_ID	NUMBER(10,0)	Yes	-	-
				1 - 4

o Student-Email Table:

Column Name	Data Type	Nullable	Default	Primary Key
S_ID	NUMBER(10,0)	No	-	1
S_EMAIL	VARCHAR2(50)	No	-	-
				1 - 2

o Student-Teacher relation Table:

Column Name	Data Type	Nullable	Default	Primary Key
S_ID	NUMBER(10,0)	No	-	1
T_ID	NUMBER(10,0)	No	-	2
				1 - 2

o Student-Subject relation Table:

Column Name	Data Type	Nullable	Default	Primary Key
S_ID	NUMBER(10,0)	No	-	1
SUB_ID	NUMBER(10,0)	No	-	2
				1 - 2

Question Table:

Column Name	Data Type	Nullable	Default	Primary Key
Q_ID	NUMBER(10,0)	No	-	1
Q_VALUE	VARCHAR2(255)	No	-	-
Q_ANS	VARCHAR2(255)	No	-	-
SUB_ID	NUMBER(10,0)	Yes	-	-
				1 - 4

❖ <u>Sequence:</u>

SEQUENCE_NAME	MIN_VALUE	MAX_VALUE	INCREMENT_BY	CYCLE_FLAG	ORDER_FLAG	CACHE_SIZE	LAST_NUMBER
QUES_SQ	1	3999	1	N	N	0	3020
STUDENT_SQ	1	1999	10	N	N	0	1080
TEACHER_SQ	1	2999	10	N	N	0	2050

❖ Address Table:

ADRS_ID	CITY	COUNTRY
100	Dhaka	Bangladesh
101	Chittagong	Bangladesh
102	Khulna	Bangladesh

❖ Result Table:

R_ID	GPA	CGPA
100	3.88	3.94
102	3.75	3.56
104	3.7	3.62
106	3.22	3.33

❖ Subject Table:

SUB_ID	SUB_NAME
10	Database
20	Physics
30	Chemistry
40	Math

❖ <u>Teacher Table:</u>

T_ID	T_NAME	T_SAL	ADRS_ID	SUB_ID
2000	Ratan Kumar Saha	50000	102	20
2010	Fahmida Alam	15000	100	40
2020	Sifat Rahman Ahona	45000	102	30
2030	Rifat Tasnim Anannaya	35000	101	10
2040	Anika Hossain	40000	102	20

o Teacher-Email Table:

T_ID	T_EMAIL
2000	rksaha@gmail.com
2010	fahmida@aiub.edu
2020	ahona@aiub.edu
2030	rifat.tasnim@aiub.edu
2040	ahanika@gmail.com

❖ Student Table:

S_ID	S_NAME	ADRS_ID	R_ID
1000	Md. Tanvir Alam Niloy	100	106
1010	Maliha Rahman Riza	101	104
1020	Mehedi Hasan Opi	102	106
1030	Md. Shahriar Arif	100	104
1040	Nobir Hossain Samuel	101	104
1050	Md. Mohibor Rahman Rahat	102	102
1060	Khuko Moni	100	106
1070	Sarzila Sahrin Jisha	102	100

o Student-Email Table:

S_ID	S_EMAIL
1000	tnioly0@gmail.com
1010	maliha2002@gmail.com
1020	osthiropi@gmail.com
1030	atomarif343@gmail.com
1040	nobirfreelencer@gmail.com
1050	mohibor.rahat@gmail.com
1060	khukomoni163@gmail.com
1070	20-42526-1@student.aiub.edu

o Student-Teacher relation Table:

S_ID	T_ID
1000	2010
1010	2010
1020	2040
1030	2040
1040	2030
1050	2030
1060	2020
1070	2020

o Student-Subject relation Table:

S_ID	SUB_ID
1000	40
1010	40
1020	20
1030	20
1040	10
1050	10
1060	30
1070	30

Question Table:

Q_ID	Q_VALUE	Q_ANS	SUB_ID
3000	What's the full form of DBMS?	Database Management System	10
3001	What's the full form of RDBMS?	Relational Database Management System	10
3002	What are the types of normalization in database?	1NF, 2NF, 3NF	10
3003	What's the full form of DDL?	Data Definition Language	10
3004	What's the full form of DML?	Data Manipulation Language	10
3005	The correct relation between the radius of curvature R and focal length f of a spherical mirror is -?	R = 2f	20
3006	The instrument used for detecting the presence of electric current in a circuit is -?	Galvanometer	20
3007	Which one of the following was the first mineral acid discovered?	Sulphuric acid	20
3008	What types of radiations has the smallest wavelength?	X-rays	20
3009	In an incandescent electric bulb, the filament of the bulb is made up of which metal?	Tungsten	20
3010	The chemical used as a fixer in photography is -?	sodium thiosulphate	30
3011	For which one of the following is the density maximum?	Water	30
3012	The alcohol used in power alcohol is -?	ethyl alcohol	30
3013	The reaction between methane and chlorine in diffused sunlight is -?	substitution	30
3014	The alloy of aluminium used for making magnet is -?	alnico	30
3015	What is the sum of 130+125+191 = ?	446	40
3016	If we minus 712 from 1500, how much do we get?	788	40
3017	50 times of 8 is equal to = ?	400	40
3018	110 divided by 10 is = ?	11	40
3019	Find the missing terms in multiple of 3: 3, 6, 9,, 15	12	40

10 Question

- 1. Find the 2nd lowest paid teacher and display the subjects he manages.
- 2. Count the total students & teachers and display the total given salary from March 2020 to current month expect Chemistry teachers.
- 3. Display the students name, id, email and result except the students whose r_id like % 04. Sort them on result value.
- 4. Find the subject id along teachers' name, who creates questions of Subject no 10 and display the students name and id who takes this subject. Sort them based on descending teacher's id.
- 5. Write a query using join to find the teacher's id and the questions they created on it; group by subject.
- 6. Write a query using join to display all the student's info (name, id, address, result, email) who takes subject under the highest paid teacher except student like %_Rahman.
- 7. Create sequence named std_id for new students which range (900-950), increment by 6, minvalue 550 and 10 catches.
- 8. Create a view name Contact from table Student-Email, Teacher-Email & address that contains the student & teachers name, id, address & email and make it read only.
- 9. Create a view named Salary from table Teacher1 that contains the teacher id and salary. Display the teacher id (who earned more than average salary) with their monthly salary, yearly salary and salary of December with bonus 8,000 from this view.
- 10. Make teacher id and email unique.

```
---- ADDRESS ----

CREATE TABLE address(
   adrs_id NUMBER(10),
   city VARCHAR2(20),
   country VARCHAR2(20) NOT NULL
);

---- Primary Key ----

ALTER TABLE address ADD CONSTRAINT adrs_pk PRIMARY KEY(adrs_id);

---- Insert ----

INSERT INTO address VALUES(100, 'Dhaka', 'Bangladesh');

INSERT INTO address VALUES(101, 'Chittagong', 'Bangladesh');

INSERT INTO address VALUES(102, 'Khulna', 'Bangladesh');
```

```
---- RESULT ----
CREATE TABLE result(
  r_id NUMBER(10),
  gpa DECIMAL(3, 2) DEFAULT 0.00 NOT NULL,
  cgpa DECIMAL(3, 2) DEFAULT 0.00 NOT NULL
);
---- Primary Key ----
ALTER TABLE result ADD CONSTRAINT res_pk PRIMARY KEY(r_id);
---- Check Constraint ----
ALTER TABLE result ADD CONSTRAINT result_gpa_chk CHECK (gpa BETWEEN 0.00 AND 4.00);
ALTER TABLE result ADD CONSTRAINT result_cgpa_chk CHECK (cgpa BETWEEN 0.00 AND 4.00);
---- Insert ----
INSERT INTO result VALUES(100, 3.88, 3.94);
INSERT INTO result VALUES(102, 3.75, 3.56);
INSERT INTO result VALUES(104, 3.70, 3.62);
INSERT INTO result VALUES(106, 3.22, 3.33);
```

```
----- SUBJECT ----

CREATE TABLE subject(
    sub_id NUMBER(10),
    sub_name VARCHAR2(50) NOT NULL
);

---- Primary Key ----

ALTER TABLE subject ADD CONSTRAINT sub_pk PRIMARY KEY(sub_id);

---- Insert ----

INSERT INTO subject VALUES(10, 'Database');
INSERT INTO subject VALUES(20, 'Physics');
INSERT INTO subject VALUES(30, 'Chemistry');
INSERT INTO subject VALUES(40, 'Math');
```

```
---- TEACHER ----
CREATE TABLE teacher(
  t_id NUMBER(10),
  t_name VARCHAR2(50) NOT NULL,
  t_sal DECIMAL(8, 2) NOT NULL,
  adrs_id NUMBER(10),
  sub_id NUMBER(10)
);
CREATE TABLE tchr_email(
  t_id NUMBER(10),
  t_email VARCHAR2(50) NOT NULL
);
---- Primary Key ----
ALTER TABLE teacher ADD CONSTRAINT tchr_pk PRIMARY KEY(t_id);
ALTER TABLE tchr_email ADD CONSTRAINT tchr_email_pk PRIMARY KEY(t_id);
---- Foreign Key ----
ALTER TABLE teacher ADD CONSTRAINT tchr_adrs_fk FOREIGN KEY(adrs_id) REFERENCES address(adrs_id);
ALTER TABLE teacher ADD CONSTRAINT tchr_res_fk FOREIGN KEY(sub_id) REFERENCES subject(sub_id);
---- Teacher ID Sequence ----
CREATE SEQUENCE teacher_sq START WITH 2000 INCREMENT BY 10 MAXVALUE 2999 NOCYCLE NOCACHE;
```

INSERT INTO teacher VALUES(teacher_sq.NEXTVAL, 'Ratan Kumar Saha', 50000.00, 102, 20);
INSERT INTO tchr_email VALUES(teacher_sq.CURRVAL, 'rksaha@gmail.com');

INSERT INTO teacher VALUES(teacher_sq.NEXTVAL, 'Fahmida Alam', 15000.00, 100, 40);
INSERT INTO tchr_email VALUES(teacher_sq.CURRVAL, 'fahmida@aiub.edu');

INSERT INTO teacher VALUES(teacher_sq.NEXTVAL, 'Sifat Rahman Ahona', 45000.00, 102, 30);
INSERT INTO tchr_email VALUES(teacher_sq.CURRVAL, 'ahona@aiub.edu');

INSERT INTO teacher VALUES(teacher_sq.NEXTVAL, 'Rifat Tasnim Anannaya', 35000.00, 101, 10);
INSERT INTO tchr_email VALUES(teacher_sq.CURRVAL, 'rifat.tasnim@aiub.edu');

INSERT INTO teacher VALUES(teacher_sq.NEXTVAL, 'Anika Hossain', 40000.00, 102, 20);
INSERT INTO tchr_email VALUES(teacher_sq.NEXTVAL, 'Anika Hossain', 40000.00, 102, 20);
INSERT INTO tchr_email VALUES(teacher_sq.CURRVAL, 'ahanika@gmail.com');

```
---- STUDENT ----
CREATE TABLE student(
  s_id NUMBER(10),
  s_name VARCHAR2(50) NOT NULL,
  adrs_id NUMBER(10),
  r_id NUMBER(10)
);
CREATE TABLE std_email(
  s_id NUMBER(10),
  s_email VARCHAR2(50) NOT NULL
);
CREATE TABLE std_tchr(
  s_id NUMBER(10) NOT NULL,
  t_id NUMBER(10) NOT NULL
);
CREATE TABLE std_sub(
  s_id NUMBER(10) NOT NULL,
  sub_id NUMBER(10) NOT NULL
);
---- Primary Key ----
ALTER TABLE student ADD CONSTRAINT std_pk PRIMARY KEY(s_id);
ALTER TABLE std_email ADD CONSTRAINT std_email_pk PRIMARY KEY(s_id);
```

```
---- Composite Primary Key (Many to Many relation) ----
ALTER TABLE std_tchr ADD CONSTRAINT std_tchr_ck PRIMARY KEY(s_id, t_id);
ALTER TABLE std_sub ADD CONSTRAINT std_sub_ck PRIMARY KEY(s_id, sub_id);
---- Foreign Key ----
ALTER TABLE student ADD CONSTRAINT std_adrs_fk FOREIGN KEY(adrs_id) REFERENCES address(adrs_id);
ALTER TABLE student ADD CONSTRAINT std_res_fk FOREIGN KEY(r_id) REFERENCES result(r_id);
---- Student ID Sequence ----
CREATE SEQUENCE student sq START WITH 1000 INCREMENT BY 10 MAXVALUE 1999 NOCYCLE NOCACHE;
---- Insert ----
INSERT INTO student VALUES(student_sq.NEXTVAL, 'Md. Tanvir Alam Niloy', 100, 106);
INSERT INTO std email VALUES(student sq.CURRVAL, 'tnioly0@gmail.com');
INSERT INTO std_tchr VALUES(student_sq.CURRVAL, 2010);
INSERT INTO std_sub_VALUES(student_sq.CURRVAL, 40);
INSERT INTO student VALUES(student_sq.NEXTVAL, 'Maliha Rahman Riza', 101, 104);
INSERT INTO std email VALUES(student sq.CURRVAL, 'maliha2002@gmail.com');
INSERT INTO std tchr VALUES(student sq.CURRVAL, 2010);
INSERT INTO std sub VALUES(student sq.CURRVAL, 40);
INSERT INTO student VALUES(student_sq.NEXTVAL, 'Mehedi Hasan Opi', 102, 106);
INSERT INTO std_email VALUES(student_sq.CURRVAL, 'osthiropi@gmail.com');
INSERT INTO std_tchr VALUES(student_sq.CURRVAL, 2040);
INSERT INTO std_sub VALUES(student_sq.CURRVAL, 20);
INSERT INTO student VALUES(student_sq.NEXTVAL, 'Md. Shahriar Arif', 100, 104);
```

```
INSERT INTO std email VALUES(student sq.CURRVAL, 'atomarif343@gmail.com');
INSERT INTO std tchr VALUES(student sq.CURRVAL, 2040);
INSERT INTO std_sub VALUES(student_sq.CURRVAL, 20);
INSERT INTO student VALUES(student_sq.NEXTVAL, 'Nobir Hossain Samuel', 101, 104);
INSERT INTO std_email VALUES(student_sq.CURRVAL, 'nobirfreelencer@gmail.com');
INSERT INTO std_tchr VALUES(student_sq.CURRVAL, 2030);
INSERT INTO std sub VALUES(student sq.CURRVAL, 10);
INSERT INTO student VALUES(student sq.NEXTVAL, 'Md. Mohibor Rahman Rahat', 102, 102);
INSERT INTO std_email VALUES(student_sq.CURRVAL, 'mohibor.rahat@gmail.com');
INSERT INTO std tchr VALUES(student sq.CURRVAL, 2030);
INSERT INTO std_sub VALUES(student_sq.CURRVAL, 10);
INSERT INTO student VALUES(student_sq.NEXTVAL, 'Khuko Moni', 100, 106);
INSERT INTO std_email VALUES(student_sq.CURRVAL, 'khukomoni163@gmail.com');
INSERT INTO std_tchr VALUES(student_sq.CURRVAL, 2020);
INSERT INTO std_sub_VALUES(student_sq.CURRVAL, 30);
INSERT INTO student VALUES(student sq.NEXTVAL, 'Sarzila Sahrin Jisha', 102, 100);
INSERT INTO std email VALUES(student sq.CURRVAL, '20-42526-1@student.aiub.edu');
INSERT INTO std_tchr VALUES(student_sq.CURRVAL, 2020);
INSERT INTO std_sub VALUES(student_sq.CURRVAL, 30);
```

```
---- QUESTION ----
CREATE TABLE question(
  q_id NUMBER(10),
  q_value VARCHAR2(255) NOT NULL,
  q_ans VARCHAR2(255) NOT NULL,
  sub id NUMBER(10)
);
---- Primary Key ----
ALTER TABLE question ADD CONSTRAINT ques_pk PRIMARY KEY(q_id);
---- Foreign Key ----
ALTER TABLE question ADD CONSTRAINT question_fk FOREIGN KEY(sub_id) REFERENCES subject(sub_id);
---- Question ID Sequence ----
CREATE SEQUENCE ques_sq START WITH 3000 INCREMENT BY 1 MAXVALUE 3999 NOCYCLE NOCACHE;
---- Insert ----
INSERT INTO question VALUES(ques_sq.NEXTVAL, 'What's the full form of DBMS?', 'Database Management System', 10);
INSERT INTO question VALUES(ques_sq.NEXTVAL, 'What''s the full form of RDBMS?', 'Relational Database Management
System', 10);
INSERT INTO question VALUES(ques sq.NEXTVAL, 'What are the types of normalization in database?', '1NF, 2NF, 3NF', 1
0);
INSERT INTO question VALUES(ques_sq.NEXTVAL, 'What's the full form of DDL?', 'Data Definition Language', 10);
INSERT INTO question VALUES(ques_sq.NEXTVAL, 'What''s the full form of DML?', 'Data Manipulation Language', 10);
INSERT INTO question VALUES(ques_sq.NEXTVAL, 'The correct relation between the radius of curvature R and focal lengt
h f of a spherical mirror is -?', 'R = 2f', 20);
```

INSERT INTO question VALUES(ques_sq.NEXTVAL, 'The instrument used for detecting the presence of electric current in a circuit is -?', 'Galvanometer', 20);

INSERT INTO question VALUES(ques_sq.NEXTVAL, 'Which one of the following was the first mineral acid discovered?', 'Su lphuric acid', 20);

INSERT INTO question VALUES(ques_sq.NEXTVAL, 'What types of radiations has the smallest wavelength?', 'X-rays', 20);

INSERT INTO question VALUES(ques_sq.NEXTVAL, 'In an incandescent electric bulb, the filament of the bulb is made up of which metal?', 'Tungsten', 20);

INSERT INTO question VALUES(ques_sq.NEXTVAL, 'The chemical used as a fixer in photography is -?', 'sodium thiosulpha te', 30);

INSERT INTO question VALUES(ques_sq.NEXTVAL, 'For which one of the following is the density maximum?', 'Water', 30) :

INSERT INTO question VALUES(ques_sq.NEXTVAL, 'The alcohol used in power alcohol is -?', 'ethyl alcohol', 30);

INSERT INTO question VALUES(ques_sq.NEXTVAL, 'The reaction between methane and chlorine in diffused sunlight is -?', 'substitution', 30);

INSERT INTO question VALUES(ques_sq.NEXTVAL, 'The alloy of aluminium used for making magnet is -?', 'alnico', 30);

INSERT INTO question VALUES(ques_sq.NEXTVAL, 'What is the sum of 130+125+191 = ?', '446', 40);

INSERT INTO question VALUES(ques sq.NEXTVAL, 'If we minus 712 from 1500, how much do we get?', '788', 40);

INSERT INTO question VALUES(ques sq.NEXTVAL, '50 times of 8 is equal to = ?', '400', 40);

INSERT INTO question VALUES(ques_sq.NEXTVAL, '110 divided by 10 is = ?', '11', 40);

INSERT INTO question VALUES(ques sq.NEXTVAL, 'Find the missing terms in multiple of 3: 3, 6, 9, , 15', '12', 40);