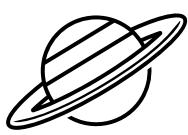


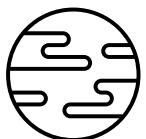


INPIRED BY NASA



SPACE AGENCY

(Nasa inspired)

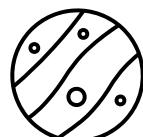


First: members' names:

- 1 _ Mohab Mamdouh kamel mosa (Computer Science).
- 2 _ Youssef Wael Mostafa (Computer Science).
- 3 _ Karim Mamdouh Abd al Qader (Computer Science).
- 4 _ Ziad Mohammed Gomaa Youssef (Computer Science).
- 5 _ Ammar Elsaied Mohammed (Computer Science).

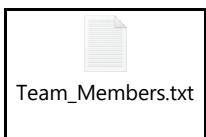
Second: supervisor name:

* _ professor/mohammed hashim.

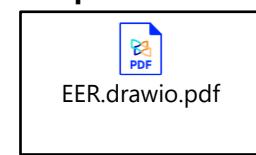


//File contents(double click to open):

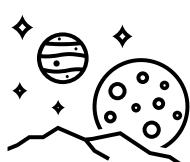
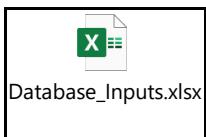
1_team members name.txt.



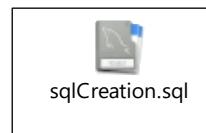
5_EER.pdf.



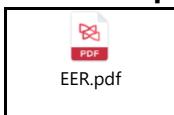
2_data inputs. Excel.



6_creation_SQL file.



3_EER.pdf.



4_SQL model.mwb.



Third: DESCRIPTION OF PROBLEM:

The Space Operations Mission Directorate: is a crucial part of NASA's operations. This directorate is responsible for maintaining a continuous human presence in space, which benefits people on Earth in numerous ways, from advancing scientific knowledge to developing new technologies.

The programs within this directorate are at the heart of NASA's human space exploration efforts. They enable various missions, including Artemis, commercial space initiatives, scientific research, and other agency missions.



The directorate provides a range of services to support these missions. These include communication services, which ensure that data and information can be transmitted between Earth and spacecraft; launch services, which are responsible for getting spacecraft into space; and research capabilities, which allow NASA to conduct experiments and gather data in space.

In essence, the Space Operations Mission Directorate plays a vital role in making space exploration possible and advancing our understanding of the universe. It's a testament to the incredible work that NASA does every day.



REQUIREMENT COLLECTION:

The agency needs to be aware of the specific details of space operations directorate for effective management and coordination:

1. staff(astronaut, scientist, inspector.....etc):

citizen identification number, fname, mname , lname,{home address}: building no., street name, postal code, city, state, country, phone number {up to 3 numbers}, salary, birth date(age).

2. partners:(organization code, organization name, address, email address, phone number).

3. space craft:

(spacecraftID, name, type/class{rover, space probe, crewedspacecraft, auto}, launchpad, status{active, lost, retired}, Power Source(solar, nuclear), dimensions {size and weight}, people capacity, load capacity).

4. planet: PlanetID (primary key), Planet Name, Type (terrestrial or gas giant), Diameter, Mass, Orbit Radius, Orbit Period, Rotation Period, Number of Moons, and Has Rings.

5. mission:MissionID (primary key), Mission Name, Mission Type (e.g., Airborne Science, Analog Field Testing, Asteroid Deflection, Atmospheric Probe, Balloon, Commercial Crew, Commercial

Resupply), Status (e.g., active, future, past), and objective.

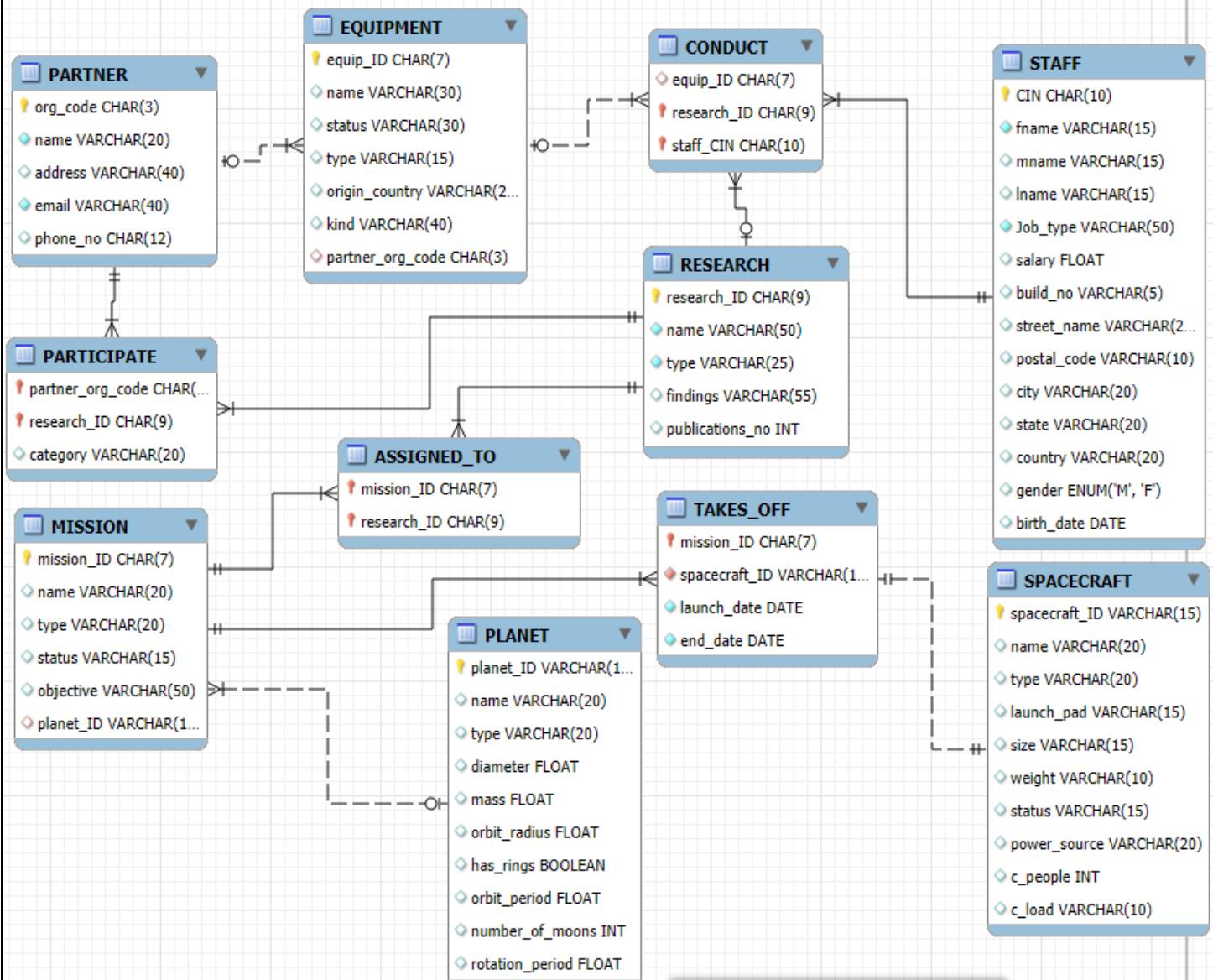
--
8.research: research ID, name, type{e.g., Aeronautics, Space Environmental Effects, Renewable Energy and Building Energy Efficiency, Material Response Properties}, findings, publications no.

9.equipment (satellites, telescopes.....etc.):
ID, name, Status:(e.g., active, decommissioned) ., type, origin country

--
RULES:

- 1.mission can target one planet, but it is not a must, and each planet might be explored with several missions.
- 2.research is around mission or other objectives and mission must have minimum one research as a result or more.
- 3.one spacecraft goes to several missions and at least one mission, and can be crewed or not with tracking the launch date and end date.
- 4.the members of staff work in different fields including inspector, astronaut and scientist.
- 5.the agency has several equipment including satellite, telescopes.....etc.
- 6.equipment might be operated with one partner.
- 7.some partners participate in research with different fields.

SQL Model



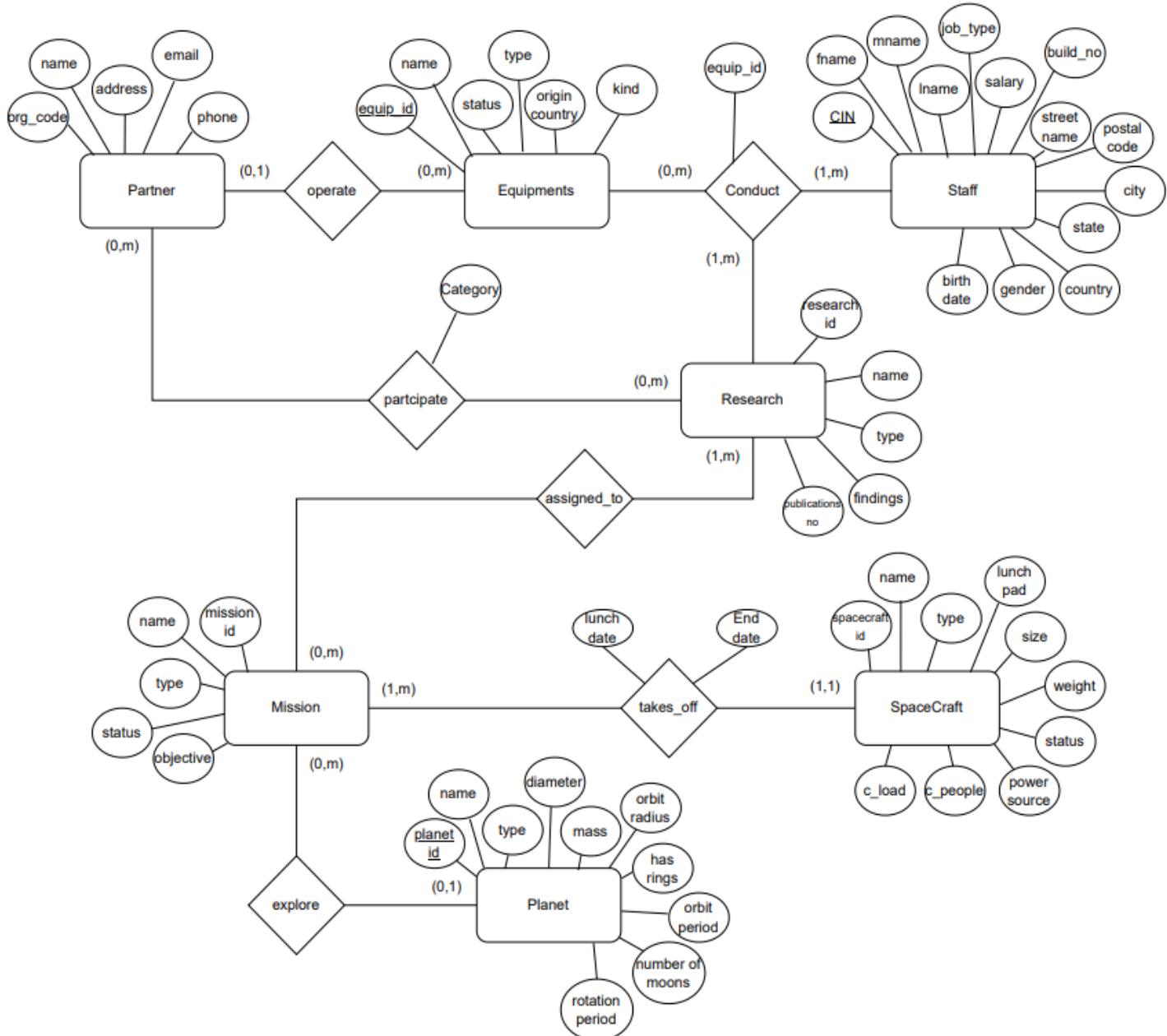
XML Screenshot

```

1 <?xml version="1.0" encoding="UTF-8"?>
2 <persistence version="3.0"
3   xmlns="https://jakarta.ee/xml/ns/persistence"
4   xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="https://jakarta.ee/xml/ns/persistence/persistence_3_0.xsd"
5     https://jakarta.ee/xml/ns/persistence/persistence_3_0.xsd">
6   <persistence-unit name="SpaceManagerPU" transaction-type="RESOURCE_LOCAL">
7     <provider>org.hibernate.jpa.HibernatePersistenceProvider</provider>
8     <class>database.entities.Research</class>
9     <class>database.entities.Mission</class>
10    <class>database.entities.Conduct</class>
11    <class>database.entities.Participate</class>
12    <class>database.entities.Partner</class>
13    <class>database.entities.Planet</class>
14    <class>database.entities.Spacecraft</class>
15    <class>database.entities.TakesOff</class>
16    <class>database.entities.Staff</class>
17    <class>database.entities.Equipment</class>
18    <properties>
19      <property name="jakarta.persistence.jdbc.url" value="jdbc:mysql://localhost:3306/spaceagency?zeroDateTimeBehavior
20        =CONVERT_TO_NULL"/>
21      <property name="jakarta.persistence.jdbc.user" value="root"/>
22      <property name="jakarta.persistence.jdbc.driver" value="com.mysql.cj.jdbc.Driver"/>
23      <property name="jakarta.persistence.jdbc.password" value="" />
24    </properties>
25  </persistence-unit>
26 </persistence>

```

EER



DELETE Operation

Space Agency Manager

File Edit Help

staff

Original Table Sorted with First name

cin	fname	mname	lname	jobtype	salary	buildNo	streetName	postalCode	city	state
19-0876311	Addie	Syd	Hasselby	attorney	81446.1	90	Cedar Lane	70505	Lafayette	Louisiana
62-6558885	Adriaens	Troy	Race	inspector	50536.0	5	Spruce Court	83716	Boise	Idaho
35-7806470	Alie	Alonso	Wistance	astronaut	86199.2	78	Willow Court	60630	Chicago	Illinois
30-1489321	Allister	Nicol	Reisen	astronaut	48032.8	34	Willow Court	92725	Santa Ana	California
64-9007802	Allyson	Leonid	Messenger	astronaut	160404.0	61	Chestnutwood Ave...	28289	Charlotte	North Carolina
55-1454415	Andrey	Tad	Endrighi	astronaut	165124.0	85	Elm Court	05609	Montpelier	Vermont
25-2274441	Anna	Giordano	Kelby	inspector	158343.0	29	Fir Street	28278	Charlotte	North Carolina
83-8514227	Arie	Haily	Edgworth	astronaut	192860.0	89	Magnolia Road	19897	Wilmington	Delaware
53-1327041	Arny	Mendy	Keeltagh	inspector	128911.0	35	Oak Avenue	61605	Peoria	Illinois
49-4767868	Benjie	Paul	Queyos	astronaut	184547.0	71	Holly Court	30092	Norcross	Georgia
04-4951183	Berkie	Alvy	Squeers	inspector	71061.6	90	Spruce Court	19805	Wilmington	Delaware
93-0617695	Bette	Erhart	Jewise	scientist	63682.0	19	Cypresswood Aven...	15255	Pittsburgh	Pennsylvania
99-4413006	Beulah	Tomkin	Vaugham	astronaut	110869.0	35	Willow Court	93762	Fresno	California
80-8982872	Blaine	Lancelot	Gabbott	astronaut	177332.0	33	Cypresswood Aven...	55188	Saint Paul	Minnesota
61-4123142	Brendin	Abdul	Abramamovh	technician	197928.0	15	Redwood Avenue	65110	Jefferson City	Missouri
38-7726916	Camala	Isidor	Sturgeon	inspector	162726.0	33	Birch Street	06510	New Haven	Connecticut
42-2966590	Caria	Rube	Burgne	scientist	183805.0	49	Maple Street	94121	San Francisco	California
27-3604207	Cathlene	Ibrahim	Allport	astronaut	193121.0	87	Hickorywood Court	31296	Macon	Georgia

staff

Insert

Update

Delete

Load Data

Back

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Space Agency Manager

File Edit Help

staff

We selected the row we want to delete
and clicked delete

cin	fname	mname	lname	jobtype	salary	buildNo	streetName	postalCode	city	state
19-0876311	Addie	Syd	Hasselby	attorney	81446.1	90	Cedar Lane	70505	Lafayette	Louisiana
62-6558885	Adriaens	Troy	Race	inspector	50536.0	5	Spruce Court	83716	Boise	Idaho
35-7806470	Alie	Alonso	Wistance	astronaut	86199.2	78	Willow Court	60630	Chicago	Illinois
30-1489321	Allister	Nicol	Reisen	astronaut	48032.8	34	Willow Court	92725	Santa Ana	California
64-9007802	Allyson	Leonid	Messenger	astronaut	160404.0	61	Chestnutwood Ave...	28289	Charlotte	North Carolina
55-1454415	Andrey	Tad	Endrighi	astronaut	165124.0	85	Elm Court	05609	Montpelier	Vermont
25-2274441	Anna	Giordano	Kelby	inspector	158343.0	29	Fir Street	28278	Charlotte	North Carolina
83-8514227	Arie	Haily	Edgworth	astronaut	192860.0	89	Magnolia Road	19897	Wilmington	Delaware
53-1327041	Arny	Mendy	Keeltagh	inspector	128911.0	35	Oak Avenue	61605	Peoria	Illinois
49-4767868	Benjie	Paul	Queyos	astronaut	184547.0	71	Holly Court	30092	Norcross	Georgia
04-4951183	Berkie	Alvy	Squeers	inspector	71061.6	90	Spruce Court	19805	Wilmington	Delaware
93-0617695	Bette	Erhart	Jewise	scientist	63682.0	19	Cypresswood Aven...	15255	Pittsburgh	Pennsylvania
99-4413006	Beulah	Tomkin	Vaugham	astronaut	110869.0	35	Willow Court	93762	Fresno	California
80-8982872	Blaine	Lancelot	Gabbott	astronaut	177332.0	33	Cypresswood Aven...	55188	Saint Paul	Minnesota
61-4123142	Brendin	Abdul	Abramamovh	technician	197928.0	15	Redwood Avenue	65110	Jefferson City	Missouri
38-7726916	Camala	Isidor	Sturgeon	inspector	162726.0	33	Birch Street	06510	New Haven	Connecticut
42-2966590	Caria	Rube	Burgne	scientist	183805.0	49	Maple Street	94121	San Francisco	California
27-3604207	Cathlene	Ibrahim	Allport	astronaut	193121.0	87	Hickorywood Court	31296	Macon	Georgia

staff

Insert

Update

Delete

Load Data

Back

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Space Agency Manager

File Edit Help

staff

A successful message appears confirming
that there is no foreign keys constraints

cin	fname	mname	lname	jobtype	salary	buildNo	streetName	postalCode	city	state
19-0876311	Addie	Syd	Hasselby	attorney	81446.1	90	Cedar Lane	70505	Lafayette	Louisiana
62-6558885	Adriaens	Troy	Race	inspector	50536.0	5	Spruce Court	83716	Boise	Idaho
35-7806470	Alie	Alonso	Wistance	astronaut	86199.2	78	Willow Court	60630	Chicago	Illinois
30-1489321	Allister	Nicol	Reisen	astronaut	48032.8	34	Willow Court	92725	Santa Ana	California
64-9007802	Allyson	Leonid	Messenger	astronaut	160404.0	61	Chestnutwood Ave...	28289	Charlotte	North Carolina
55-1454415	Andrey	Tad	Endrighi	astronaut	165124.0	85	Elm Court	05609	Montpelier	Vermont
25-2274441	Anna	Giordano	Kelby	inspector	158343.0	29	Fir Street	28278	Charlotte	North Carolina
83-8514227	Arie	Haily	Edgworth	astronaut	192860.0	89	Magnolia Road	19897	Wilmington	Delaware
53-1327041	Arny	Mendy	Keeltagh	inspector	128911.0	35	Oak Avenue	61605	Peoria	Illinois
49-4767868	Benjie	Paul	Queyos	astronaut	184547.0	71	Holly Court	30092	Norcross	Georgia
04-4951183	Berkie	Alvy	Squeers	inspector	71061.6	90	Spruce Court	19805	Wilmington	Delaware
93-0617695	Bette	Erhart	Jewise	scientist	63682.0	19	Cypresswood Aven...	15255	Pittsburgh	Pennsylvania
99-4413006	Beulah	Tomkin	Vaugham	astronaut	110869.0	35	Willow Court	93762	Fresno	California
80-8982872	Blaine	Lancelot	Gabbott	astronaut	177332.0	33	Cypresswood Aven...	55188	Saint Paul	Minnesota
61-4123142	Brendin	Abdul	Abramamovh	technician	197928.0	15	Redwood Avenue	65110	Jefferson City	Missouri
38-7726916	Camala	Isidor	Sturgeon	inspector	162726.0	33	Birch Street	06510	New Haven	Connecticut
42-2966590	Caria	Rube	Burgne	scientist	183805.0	49	Maple Street	94121	San Francisco	California
27-3604207	Cathlene	Ibrahim	Allport	astronaut	193121.0	87	Hickorywood Court	31296	Macon	Georgia

staff

Insert

Update

Delete

Load Data

INSERT Operation

Space Agency Manager

File Edit Help

planets

Original Table as saved in the database , after being loaded we clicked insert

planetID	name	type	diameter	mass	orbitRadius	hasRings	orbitPeriod	numberOfMoons	rotationPeriod	missionID
ID0123	Makemake	terrestrial	40556.1	2.27518E11	548849.0	true	30532.9	12	11.7	[Mission ID: IYS]
ID0987	Kepler-452b	gas giant	35445.7	9.75027E11	699118.0	false	61610.7	14	6.29	[Mission ID: RAD]
ID1098	Mercury	terrestrial	17111.8	4.77803E11	877866.0	false	56861.1	41	19.82	[Mission ID: QD]
ID3210	Earth	terrestrial	17867.5	6.51914E11	216948.0	true	36772.7	34	11.3	[Mission ID: YUC]
ID3456	Neptune	terrestrial	25989.2	5.15983E11	677801.0	false	51416.5	4	22.27	[Mission ID: LPE]
ID4321	HD 209458 b	terrestrial	32645.2	1.83994E11	617766.0	true	40774.2	4	16.93	[Mission ID: NW]
ID6543	WASP-12b	gas giant	37772.2	4.55867E11	486338.0	true	17642.4	23	2.36	[Mission ID: HU]
ID6789	Jupiter	terrestrial	46616.4	9.66871E11	950216.0	false	4700.38	1	5.61	[Mission ID: GH]
ID7654	Pluto	terrestrial	34198.2	8.05503E10	292911.0	true	45023.6	42	11.06	[Mission ID: TGU]
ID7890	Uranus	gas giant	8560.72	4.40111E11	193716.0	false	40193.5	17	16.8	[Mission ID: TSL]
ID8765	K2-18b	gas giant	17539.0	9.71952E11	155256.0	true	42782.4	2	11.21	[Mission ID: QM]
ID8901	Haumea	gas giant	46411.9	1.33489E11	532491.0	false	9127.77	9	12.59	[Mission ID: NQ]
ID9876	Venus	terrestrial	41923.5	1.76615E11	964734.0	true	89321.9	46	10.61	[Mission ID: DYB]

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Space Agency Manager

File Edit Help

Insert Data

After clicking a pop window (form) appears to fill in the data

planetID	name	type	diameter
ID0123	Makemake	terrestrial	40556.1
ID0987	Kepler-452b	gas giant	35445.7
ID1098	Mercury	terrestrial	17111.8
ID3210	Earth	terrestrial	17867.5
ID3456	Neptune	terrestrial	25989.2
ID4321	HD 209458 b	terrestrial	32645.2
ID6543	WASP-12b	gas giant	37772.2
ID6789	Jupiter	terrestrial	46616.4
ID7654	Pluto	terrestrial	34198.2
ID7890	Uranus	gas giant	8560.72
ID8765	K2-18b	gas giant	17539.0
ID8901	Haumea	gas giant	46411.9
ID9876	Venus	terrestrial	41923.5

Insert into planets

planetID	<input type="text"/>
name	<input type="text"/>
type	<input type="text"/>
diameter	<input type="text"/>
mass	<input type="text"/>
orbitRadius	<input type="text"/>
hasRings	<input type="text"/>
orbitPeriod	<input type="text"/>
numberOfMoons	<input type="text"/>
rotationPeriod	<input type="text"/>

Submit

Back

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Page 8

File Edit Help

Insert Data

Filled the form with the data then clicked submit (it prevents invalid inputs)

planetID	name	type	diameter
ID0123	Makemake	terrestrial	40556.1
ID0987	Kepler-452b	gas giant	35445.7
ID1098	Mercury	terrestrial	17111.8
ID3210	Earth	terrestrial	17867.5
ID3456	Neptune	terrestrial	25989.2
ID4321	HD 209458 b	terrestrial	32645.2
ID6543	WASP-12b	gas giant	37772.2
ID6789	Jupiter	terrestrial	46616.4
ID7654	Pluto	terrestrial	34198.2
ID7890	Uranus	gas giant	8560.72
ID8765	K2-18b	gas giant	17539.0
ID8901	Haumea	gas giant	46411.9
ID9876	Venus	terrestrial	41923.5

Insert into planets

IDSpecial	<input type="text"/>
Kratos	<input type="text"/>
gas giant	<input type="text"/>
30909.3	<input type="text"/>
9.75027E11	<input type="text"/>
60909.3	<input type="text"/>
false	<input type="text"/>
30100	<input type="text"/>
60	<input type="text"/>
7	<input type="text"/>
no mission is associated	<input type="text"/>

Submit

Back

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planets

Data is inserted successfully with a feedback message

planetID	name	type	diameter	mass	orbitRadius	hasRings	orbitPeriod	numberOfMoons	rotationPeriod	missionID
ID0123	Makemake	terrestrial	40556.1	2.27518E11	548849.0	true	30532.9	12	11.7	[Mission ID: IYS]
ID0987	Kepler-452b	gas giant	35445.7	9.75027E11	699118.0	false	61610.7	14	6.29	[Mission ID: RAD]
ID1098	Mercury	terrestrial	17111.8	4.77803E11	877866.0	false	56861.1	41	19.82	[Mission ID: QD]
ID3210	Earth	terrestrial	17867.5	6.51914E11	216948.0	true	36772.7	34	11.3	[Mission ID: YUC]
ID3456	Neptune	terrestrial	25989.2	5.15983E11	677801.0	false	51416.5	4	22.27	[Mission ID: LPE]
ID4321	HD 209458 b	terrestrial	32645.2	1.83994E11	617766.0	true	40774.2	4	16.93	[Mission ID: NW]
ID6543	WASP-12b	gas giant	37772.2	4.55867E11	486338.0	true	17642.4	23	2.36	[Mission ID: HU]
ID6789	Jupiter	terrestrial	46616.4	9.66871E11	950216.0	false	4700.38	1	5.61	[Mission ID: GH]
ID7654	Pluto	terrestrial	34198.2	8.05503E10	292911.0	true	45023.6	42	11.06	[Mission ID: TGU]
ID7890	Uranus	gas giant	8560.72	4.40111E11	193716.0	false	40193.5	17	16.8	[Mission ID: TSL]
ID8765	K2-18b	gas giant	17539.0	9.71952E11	155256.0	true	42782.4	2	11.21	[Mission ID: QM]
ID8901	Haumea	gas giant	46411.9	1.33489E11	532491.0	false	9127.77	9	12.59	[Mission ID: NQ]
ID9876	Venus	terrestrial	41923.5	1.76615E11	964734.0	true	89321.9	46	10.61	[Mission ID: DYB]

Space Agency Manager

File Edit Help

planets

Lastly but not least the table is automatically refreshed and persisted with the new data

planetID	name	type	diameter	mass	orbitRadius	hasRings	orbitPeriod	numberOfMoons	rotationPeriod	missionID
ID0123	Makemake	terrestrial	40556.1	2.27518E11	548849.0	true	30532.9	12	11.7	[Mission ID: IYS]
ID0987	Kepler-452b	gas giant	35445.7	9.75027E11	699118.0	false	61610.7	14	6.29	[Mission ID: RAD]
ID1098	Mercury	terrestrial	17111.8	4.77803E11	877866.0	false	56861.1	41	19.82	[Mission ID: QD]
ID3210	Earth	terrestrial	17867.5	6.51914E11	216948.0	true	36772.7	34	11.3	[Mission ID: YUC]
ID3456	Neptune	terrestrial	25989.2	5.15983E11	677801.0	false	51416.5	4	22.27	[Mission ID: LPE]
ID4321	HD 209458 b	terrestrial	32645.2	1.83994E11	617766.0	true	40774.2	4	16.93	[Mission ID: NW]
ID6543	WASP-12b	gas giant	37772.2	4.55867E11	486338.0	true	17642.4	23	2.36	[Mission ID: HU]
ID6789	Jupiter	terrestrial	46616.4	9.66871E11	950216.0	false	4700.38	1	5.61	[Mission ID: GH]
ID7654	Pluto	terrestrial	34198.2	8.05503E10	292911.0	true	45023.6	42	11.06	[Mission ID: TGU]
ID7890	Uranus	gas giant	8560.72	4.40111E11	193716.0	false	40193.5	17	16.8	[Mission ID: TSL]
ID8765	K2-18b	gas giant	17539.0	9.71952E11	155256.0	true	42782.4	2	11.21	[Mission ID: QM]
ID8901	Haumea	gas giant	46411.9	1.33489E11	532491.0	false	9127.77	9	12.59	[Mission ID: NQ]
ID9876	Venus	terrestrial	41923.5	1.76615E11	964734.0	true	89321.9	46	10.61	[Mission ID: DYB]
IDSpecial	Kratos	gas giant	30909.3	9.75027E11	60909.3	false	30100.0	60	7.0	[]

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Queries Examples

Staff whose first name starts with A

File Edit Help

Query

Load Data

cin	fname	mname	lname	jobtype	salary	buildNo	streetName	postalCode	city	state	country	gender	birthDate
02-497077	Adaline	Knox	Camilli	astronaut	113189.0	59	Cedar Court	19146	Philadelphia	Pennsylvania	United States	F	1988-07-0
19-0876311	Addie	Syd	Hassley	attorney	81446.1	90	Cedar Lane	70505	Lafayette	Louisiana	United States	M	1986-08-0
25-274441	Anne	Giordano	Kelby	inspector	158343.0	29	Fir Street	28278	Charlotte	North Carolina	United States	F	1993-07-0
30-1489321	Allister	Nicol	Reisen	astronaut	48032.8	34	Willow Court	92725	Santa Ana	California	United States	M	1995-11-2
35-7806470	Alie	Alonso	Wistence	astronaut	86199.2	78	Willow Court	60630	Chicago	Illinois	United States	F	1986-05-0
53-327041	Amy	Mendy	Keelagh	inspector	128911.0	35	Oak Avenue	61605	Peoria	Illinois	United States	M	1977-01-1
55-1454415	Andrey	Tad	Endighi	astronaut	165124.0	85	Elm Court	05609	Montpelier	Vermont	United States	M	1978-09-2
62-6558885	Adriaens	Troy	Race	inspector	50536.0	5	Spruce Court	83716	Boise	Idaho	United States	F	1975-10-1
64-9007802	Allyson	Leonid	Messenger	astronaut	160404.0	61	Chestnutwood Avenue	28289	Charlotte	North Carolina	United States	F	1979-10-0
83-8514227	Arie	Haily	Edgworth	astronaut	192860.0	89	Magnolia Road	19897	Wilmington	Delaware	United States	M	1991-07-0

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Example for empty response of programmers as we don't have this job type

File Edit Help

Query

Load Data

cin	fname	mname	lname	jobtype	salary	buildNo	streetName	postalCode	city	state	country	gender	birthDate
No staff members found for this query.													

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Staff whose salary greater than 100,000 USD

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Query

Load Data

cin	fname	mname	lname	jobtype	salary	buildNo	streetName	postalCode	city	state	country	gender
01-2017908	Lay	Karney	Elliss	astronaut	186205.0	79	Cedar Court	92822	Brea	California	United States	M
02-4978077	Adaline	Knox	Camilli	astronaut	113189.0	59	Cedar Court	19146	Philadelphia	Pennsylvania	United States	F
06-3939460	Damiano	Edik	Itscowics	engineer	187521.0	13	Juniperwood Court	24024	Roanoke	Virginia	United States	M
09-0656085	Clari	Velde	Attorney	attorney	110443.0	85	Willowwood Street	55166	Saint Paul	Minnesota	United States	M
09-2059601	Dari	Barrett	St.Aubyn	engineer	175301.0	25	Maplewood Street	46207	Indianapolis	Indiana	United States	F
10-0450169	Cinnamon	Lyn	Swyre	astronaut	130962.0	67	Hollywood Avenue	78296	San Antonio	Texas	United States	F
13-3368447	Jean	Otes	Lucchi	technician	142215.0	31	Willow Court	46406	Gary	Indiana	United States	F
15-3216599	Jerome	Price	Renz	scientist	102756.0	44	Pinewood Road	33245	Miami	Florida	United States	M
17-5569241	Winthrop	Cole	McQuilty	scientist	191395.0	6	Mulberry Avenue	29416	Charleston	South Carolina	United States	M
21-6695943	Fernande	Gene	Hainey	engineer	114480.0	21	Dogwood Road	94237	Sacramento	California	United States	F
21-7823598	Phillie	Pietrek	Nornasell	scientist	128895.0	49	Fir Street	66276	Shawnee Mission	Kansas	United States	F
22-0134416	Riccardo	Seward	Dovington	astronaut	160200.0	6	Mulberry Avenue	64153	Kansas City	Missouri	United States	M
24-8971641	Faustina	Rutherford	Burgum	astronaut	116862.0	99	Juniper Lane	94159	San Francisco	California	United States	F
25-2274441	Anna	Giordano	Kelby	inspector	158343.0	29	Fir Street	28278	Charlotte	North Carolina	United States	F
27-3694387	Cathleen	Ibrahim	Allport	astronaut	193121.0	87	Hickorywood Court	31296	Macon	Georgia	United States	F
29-3896225	Marvin	Broderic	Abramovitch	astronaut	194630.0	71	Palmwood Street	53285	Milwaukee	Wisconsin	United States	M
30-0941335	Gwynne	Elia	Dorwood	astronaut	145644.0	65	Redwood Avenue	40505	Lexington	Kentucky	United States	F
32-9258513	Reagen	Beck	Pagden	attorney	148261.0	8	Chestnut Court	79188	amarillo	Texas	United States	M
35-7240210	Janetta	Justis	Demko	attorney	135019.0	45	Mulberrywood Road	12232	Albany	New York	United States	F
38-7726919	Camala	Isidor	Sturgeon	inspector	162726.0	33	Birch Street	06510	New Haven	Connecticut	United States	F
38-909651	Suzie	Tremain	Thorndale	astronaut	146502.0	4	Fir Street	80235	Denver	Colorado	United States	F
42-2966590	Caria	Rube	Burgne	scientist	183805.0	49	Maple Street	94121	San Francisco	California	United States	F
46-0620883	Reade	Mario	Cullington	scientist	138363.0	82	Pine Road	10464	Bronx	New York	United States	M
46-2170683	Odey	Reinold	Faley	technician	177937.0	5	Birch Street	12222	Albany	New York	United States	M

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UPDATE Operation

Space Agency Manager

File Edit Help

partners

First as usual , The original Table Sorted Lexicographically by name

orgCode	name	address	email	phoneNo
13	Avamm	51 Vernon Crossing	jpotellc@wufuu.com	715-994-2599
19	Brainverse	690 Moland Crossing	posbandi@china.com.cn	840-292-5481
3	Brainverse	832 David Avenue	ytague2@goodreads.com	288-229-1619
7	Brainverse	51597 Sutherland Circle	atreadaway6@list-manage.com	753-358-1388
6	Chatterbridge	62 Sugar Trail	itolussi5@foxnews.com	269-982-5853
14	InnoZ	08341 Gerald Circle	celmhirstd@noaa.gov	609-721-6987
11	Meeveo	61989 Nelson Center	ckoppa@technorati.com	808-993-0818
30	mohab	test address	mohab@gmail.com	01005619482
50	Nasa Easter Egg	cairo	theMoon@email.com	1234
18	Oba	25 Ryan Road	iainsworth@odnoklassniki.ru	923-573-7878
16	Quimm	39 Summer Ridge Street	jraistonf@51.la	527-902-1596
2	Riffpedia	601 Lotheville Center	lkentwell1@icq.com	489-821-3773
9	Roodel	1 Golf View Hill	tdeneve8@harvard.edu	149-773-2655
10	Skipfire	01 2nd Street	npliu9@amazon.com	603-546-8265
12	Skippad	4 Harbort Pass	bfincib@epa.gov	776-614-9981
17	Skyvu	53 Pleasure Park	wcapelg@postorous.com	330-682-2106
200	Special Partner	30 Gesr El swis	Special@Google.com	19191

partners

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partners

Choose the row you want to update then press update button

orgCode	name	address	email	phoneNo
13	Avamm	51 Vernon Crossing	jpotellc@wufuu.com	715-994-2599
19	Brainverse	690 Moland Crossing	posbandi@china.com.cn	840-292-5481
3	Brainverse	832 David Avenue	ytague2@goodreads.com	288-229-1619
7	Brainverse	51597 Sutherland Circle	atreadaway6@list-manage.com	753-358-1388
6	Chatterbridge	62 Sugar Trail	itolussi5@foxnews.com	269-982-5853
14	InnoZ	08341 Gerald Circle	celmhirstd@noaa.gov	609-721-6987
11	Meeveo	61989 Nelson Center	ckoppa@technorati.com	808-993-0818
30	mohab	test address	mohab@gmail.com	01005619482
50	Nasa Easter Egg	cairo	theMoon@email.com	1234
18	Oba	25 Ryan Road	iainsworth@odnoklassniki.ru	923-573-7878
16	Quimm	39 Summer Ridge Street	jraistonf@51.la	527-902-1596
2	Riffpedia	601 Lotheville Center	lkentwell1@icq.com	489-821-3773
9	Roodel	1 Golf View Hill	tdeneve8@harvard.edu	149-773-2655
10	Skipfire	01 2nd Street	npliu9@amazon.com	603-546-8265
12	Skippad	4 Harbort Pass	bfincib@epa.gov	776-614-9981
17	Skyvu	53 Pleasure Park	wcapelg@postorous.com	330-682-2106
200	Special Partner	30 Gesr El swis	Special@Google.com	19191

partners

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OLD DATA

Update partners

orgCode:

name:

address:

email:

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NEW DATA

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