

THE INDIAN BUDGET AND FINANCE

DBMS PROJECT

PRESENTED BY

SHUBHAM RAI

21CSB0A53

(SECTION A)

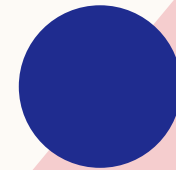
TANU PRIYA

21CSB0A58

(SECTION A)

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NEED TO NORMALIZE TABLES INTO DIFFERENT NORMAL FORMS

Normalization is used to minimize the redundancy from a relation or set of relations. It is also used to eliminate undesirable characteristics like Insertion, Update, and Deletion Anomalies. Normalization divides the larger table into smaller and links them using relationships.

TABLE NAMES

BUDGET

COUNTRIES

PROGRAM

SCHEME

BENEFICIARY

PROVIDES_FOR

STATES

DEPARTMENT

ADMINISTERS

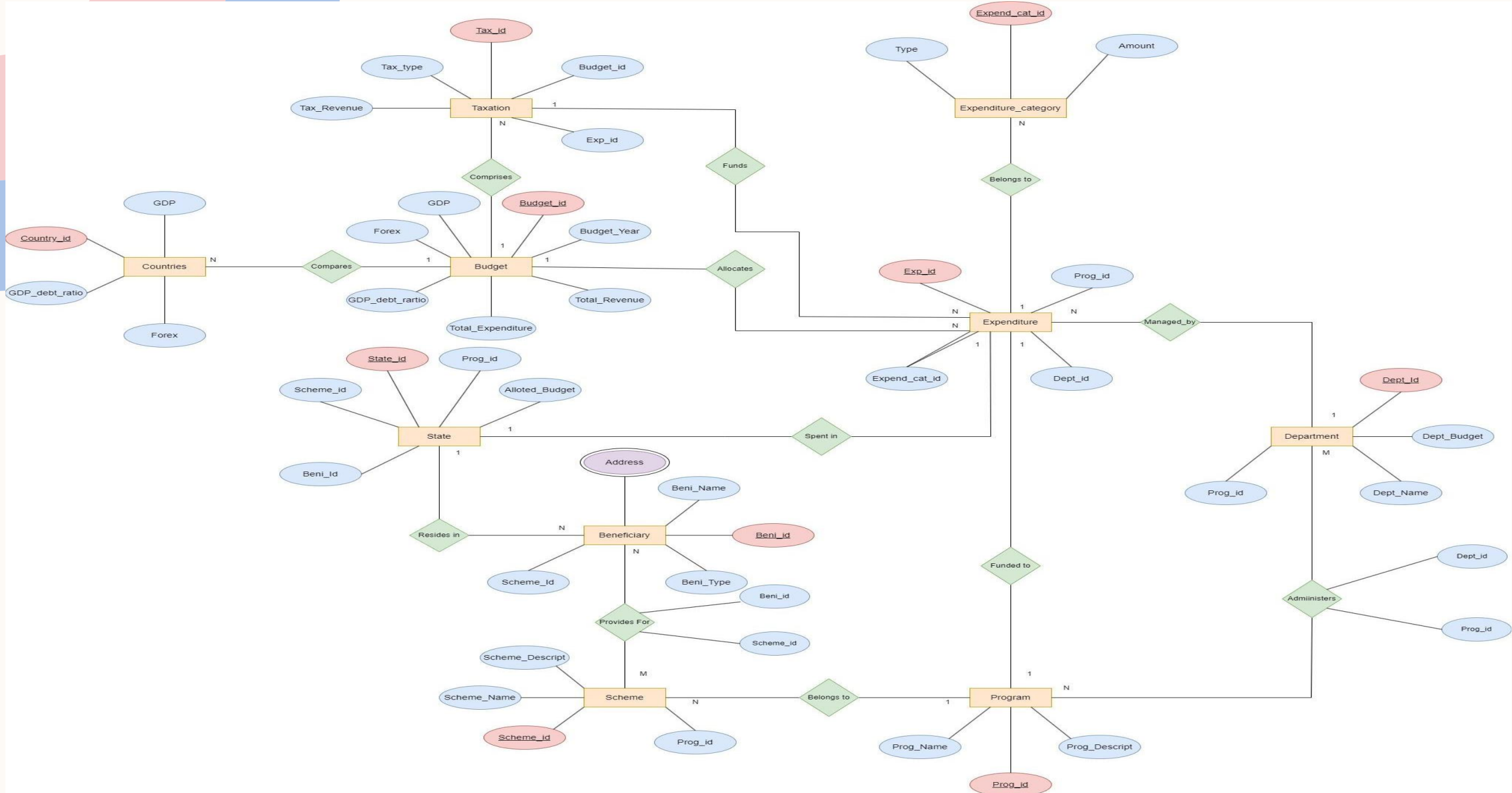
EXPENDITURE

TAXATION

EXPENDITURE_CATEGORY

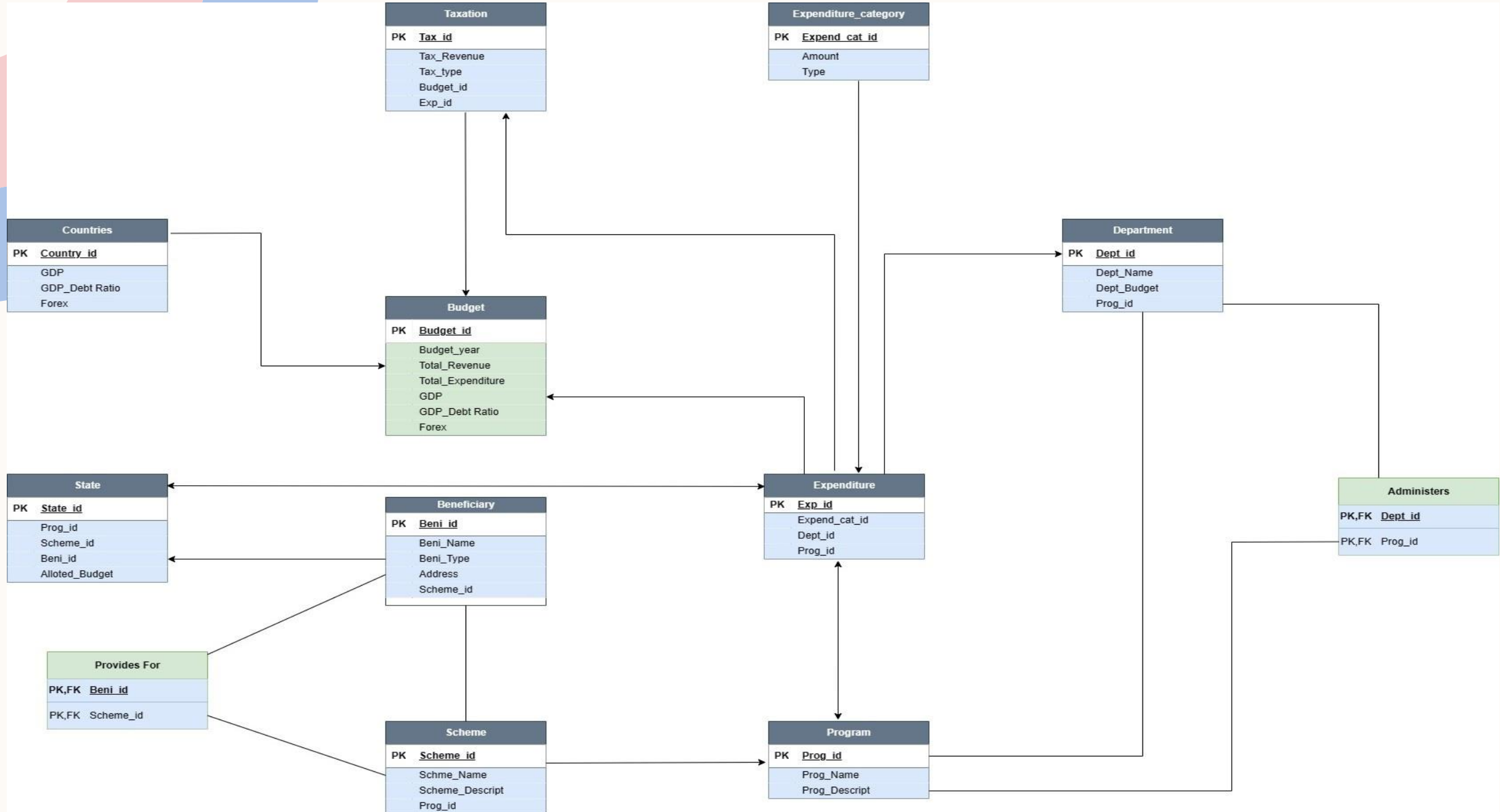
ER MODEL

6



RELATIONAL SCHEMA

7



PROBLEM STATEMENT

8

THIS INDIAN BUDGET AND FINANCE DATABASE IS MODELLED SUCH A WAY THAT :

BUDGET

The Budget entity determines the budget of our Country from year 2001 till expected 2024. It includes attributes such as Budget_Id which tells the Budget Year, Total_Revenue and Total_Expenditure which tells about the country's Total Revenue Cost and Expenditure Cost of our Country.

PROGRAM

The Program entity represents the different programs or initiatives undertaken by the government as part of its budget. Examples of programs could include Swachh Bharat Abhiyan, Ayushman Bharat, Pradhan Mantri Jan Dhan Yojana, etc.

COUNTRIES

The Countries entity determines the Total GDP with its Total Debt Ratio and Forex value of different Countries. It includes the attributes like Country_Id, Total_GDP, Total Debt_Ratio and Forex.

SCHEME

The Stats entity represents the various states in India. It includes attributes such as Prog_Id and Prog_Name.

PROBLEM STATEMENT

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BENEFICIARY

The Beneficiary entity represents the individuals or groups who benefit from the various schemes or programs implemented by the government. Examples of beneficiaries could include farmers, students, women, etc.

STATES

The States entity represents the various states in India. It includes attributes such as Prog_Id and Prog_Name.

PROVIDES_FOR

The Provides_For entity includes the attributes like Bene_Id and Scheme_Id.

DEPARTMENT

The Department entity represents the various government departments responsible for managing and executing the budget. The attributes of Department includes Dept_Id, Dept_Name, Dept_Budget and Prog_Id.

PROBLEM STATEMENT

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ADMINISTERS

The Administers entity includes attributes like Dept_Id, Prog_Id which acts as a foreign key in this entity.

EXPENDITURE

The Expenditure entity determines the different Expenditure Category of Indian Government and the various expenses incurred by the government in a given fiscal year.. It includes attributes like Exp_Id, Expenditure_Cat_Id, Dept_Id, Prog_Id.

EXPENDITURE_CATEGORY

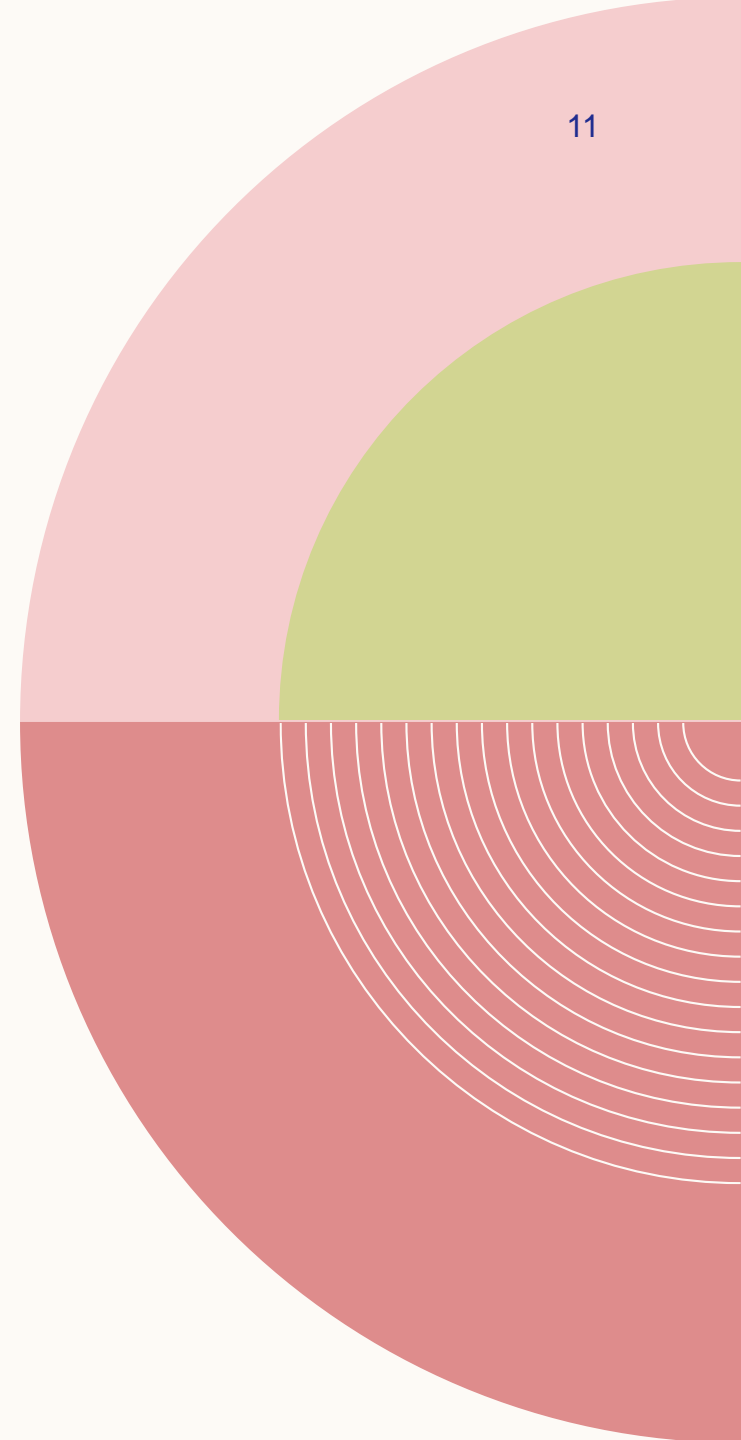
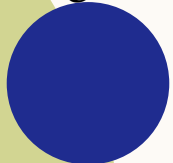
This entity represents the different categories or types of expenditures made by the government. It consists of the attributes like Expenditure_Cat_Id, Amount and Type.

TAXATION

The Taxation entity represents the various taxes imposed by the government to generate revenue. It includes attributes like Tax_Id, Tax_Revenue, Tax_Type and Exp_Id.

RELATIONSHIPS

- Budget has a **ONE-TO-MANY** relationship with Expenditure.
- Expenditure has a **ONE-TO-MANY** relationship with ExpenditureCategory.
- Expenditure has a **MANY-TO-ONE** relationship with Department.
- Program has a **MANY-TO-MANY** relationship with Department.
- Scheme has a **MANY-TO-ONE** relationship with Program.
- Beneficiary has a **MANY-TO-MANY** relationship with Scheme.
- State has a **ONE-TO-MANY** relationship with Beneficiary.
- Countries has a **MANY TO ONE** relationship with Budget.



FUNCTIONAL DEPENDENCIES ¹²

Following are the functional Dependencies for the created table :

1. BUDGET: (IN BCNF)

- BUDGET_ID -> TOTAL_REVENUE, TOTAL_EXPENDITURE, GDP_GROWTH_RATE, DEBT_GDP_RATIO, FOREX

2. COUNTRIES: (IN BCNF)

- COUNTRY_ID -> TOTAL_GDP, DEBT_GDP_RATIO_RATIO, FOREX

3. PROGRAM: (IN BCNF)

- PROG_ID -> PROG_NAME

4. SCHEME: (IN BCNF)

- SCHEME_ID -> SCHEME_NAME, PROG_ID

5. BENEFICIARY: (IN BCNF)

- BENI_ID -> BENI_NAME, BENI_TYPE, ADDRESS, SCHEME_ID

6. PROVIDES_FOR: (IN BCNF)

- BENI_ID, SCHEME_ID -> (No additional dependencies)

FUNCTIONAL DEPENDENCIES¹³

7. STATES: (IN BCNF)

- STATE_ID -> PROG_ID, SCHEME_ID, BENI_ID, ALLOTTED_BUDGET

8. DEPARTMENT: (IN BCNF)

- DEPT_ID -> DEPT_NAME, DEPT_BUDGET, PROG_ID

9. ADMINISTERS: (IN BCNF)

- DEPT_ID, PROG_ID -> (No additional dependencies)

10. EXPENDITURE: (IN BCNF)

- EXP_ID -> EXPENDITURE_CAT_ID, DEPT_ID, PROG_ID

11. EXPENDITURE_CATEGORY: (IN BCNF)

- EXPENDITURE_CAT_ID -> AMOUNT, TYPE

12. TAXATION: (IN BCNF)

- TAX_ID -> TAX_REVENUE, TAX_TYPE, EXP_ID

CREATION OF TABLES

--BUDGET

```
CREATE TABLE BUDGET(  
  BUDGET_ID VARCHAR(20) NOT NULL PRIMARY KEY,  
  TOTAL_REVENUE VARCHAR(20),  
  TOTAL_EXPENDITURE VARCHAR(20),  
  GDP_GROWTH_RATE FLOAT,  
  DEBT_GDP_RATIO FLOAT,  
  FOREX FLOAT  
);
```

--COUNTRIES

```
CREATE TABLE COUNTRIES(  
  COUNTRY_ID VARCHAR(20) NOT NULL PRIMARY KEY,  
  TOTAL_GDP VARCHAR(20),  
  DEBT_GDP_RATIO_RATIO FLOAT,  
  FOREX FLOAT  
);
```

CREATION OF TABLES

--PROGRAM

```
CREATE TABLE PROGRAM(  
  PROG_ID VARCHAR(20) NOT NULL PRIMARY KEY,  
  PROG_NAME VARCHAR(20)  
);
```

--SCHEME

```
CREATE TABLE SCHEME(  
  SCHEME_ID VARCHAR(20) NOT NULL PRIMARY KEY,  
  SCHEME_NAME VARCHAR(140),  
  PROG_ID VARCHAR(20),  
  FOREIGN KEY(PROG_ID) REFERENCES  
  PROGRAM(PROG_ID)  
);
```

CREATION OF TABLES

--BENEFICIARY

```
CREATE TABLE BENEFICIARY(  
  BENI_ID VARCHAR(20) NOT NULL PRIMARY KEY,  BENI_NAME VARCHAR(100),  
  BENI_TYPE VARCHAR(100),  
  ADDRESS VARCHAR(100),  
  SCHEME_ID VARCHAR(20),  
  FOREIGN KEY(SCHEME_ID) REFERENCES SCHEME(SCHEME_ID)  
);
```

PROVIDES_FOR

```
CREATE TABLE PROVIDES_FOR(  
  BENI_ID VARCHAR(20),  
  SCHEME_ID VARCHAR(20),  
  FOREIGN KEY(BENI_ID) REFERENCES BENEFICIARY(BENI_ID),  
  FOREIGN KEY(SCHEME_ID) REFERENCES SCHEME(SCHEME_ID),  
  PRIMARY KEY(BENI_ID,SCHEME_ID));
```


CREATION OF TABLES

STATES

```
CREATE TABLE STATES(  
STATE_ID VARCHAR(20) NOT NULL PRIMARY KEY,  PROG_ID  
VARCHAR(20),  
SCHEME_ID VARCHAR(20),  
BENI_ID VARCHAR(20),  
ALLOTED_BUDGET VARCHAR(40),  
FOREIGN KEY(PROG_ID) REFERENCES PROGRAM(PROG_ID),  
FOREIGN KEY(SCHEME_ID) REFERENCES SCHEME(SCHEME_ID),  
FOREIGN KEY(BENI_ID) REFERENCES BENEFICIARY(BENI_ID)  );
```

DEPARTMENT

```
CREATE TABLE DEPARTMENT(  
DEPT_ID VARCHAR(20) NOT NULL PRIMARY KEY,  DEPT_NAME VARCHAR(100),  
DEPT_BUDGET VARCHAR(40),  
PROG_ID VARCHAR(20),  
FOREIGN KEY(PROG_ID) REFERENCES PROGRAM(PROG_ID));
```

CREATION OF TABLES

ADMINISTERS

```
CREATE TABLE ADMINISTERS(  
  DEPT_ID VARCHAR(20),  
  PROG_ID VARCHAR(20),  
  FOREIGN KEY(DEPT_ID) REFERENCES DEPARTMENT(DEPT_ID),  
  FOREIGN KEY(PROG_ID) REFERENCES PROGRAM(PROG_ID),  
  PRIMARY KEY(DEPT_ID,PROG_ID));
```

EXPENDITURE

```
CREATE TABLE EXPENDITURE(  
  EXP_ID VARCHAR(100) NOT NULL PRIMARY KEY,  
  EXPENDITURE_CAT_ID VARCHAR(20),  
  DEPT_ID VARCHAR(20),  
  PROG_ID VARCHAR(20),  
  FOREIGN KEY(DEPT_ID) REFERENCES DEPARTMENT(DEPT_ID),  
  FOREIGN KEY(PROG_ID) REFERENCES PROGRAM(PROG_ID),  
  FOREIGN KEY(EXPENDITURE_CAT_ID) REFERENCES  
  EXPENDITURE_CATEGORY(EXPENDITURE_CAT_ID));
```

CREATION OF TABLES

EXPENDITURE_CATEGORY

```
CREATE TABLE EXPENDITURE_CATEGORY(  
EXPENDITURE_CAT_ID VARCHAR(20) NOT NULL PRIMARY KEY,  
AMOUNT VARCHAR(100),  
TYPE VARCHAR(100));
```

TAXATION

```
CREATE TABLE TAXATION(  
TAX_ID VARCHAR(20) NOT NULL PRIMARY KEY, TAX_REVENUE  
VARCHAR(100),  
TAX_TYPE VARCHAR(100),  
EXP_ID VARCHAR(100),  
FOREIGN KEY(EXP_ID) REFERENCES EXPENDITURE(EXP_ID) );
```

INSERTING VALUES

```
INSERT INTO BUDGET VALUES('2001-2002','493.93 BILLION USD','3.95 LAKH CRORE',4.82,0.5902,115000);
INSERT INTO BUDGET VALUES('2002-2003','523.77 BILLION USD','4.23 LAKH CRORE',3.8,0.6255,110000);
INSERT INTO BUDGET VALUES('2003-2004','618.77 BILLION USD','4.86 LAKH CRORE',7.86,0.6219,120000);
INSERT INTO BUDGET VALUES('2004-2005','712.59 BILLION USD','5.57 LAKH CRORE',7.92,0.6259,135000);
INSERT INTO BUDGET VALUES('2005-2006','834.22 BILLION USD','7.68 LAKH CRORE',7.92,0.6223,140000);
INSERT INTO BUDGET VALUES('2006-2007','949.12 BILLION USD','8.11 LAKH CRORE',7.06,0.5967,195000);
INSERT INTO BUDGET VALUES('2007-2008','1238.7 BILLION USD','9.12 LAKH CRORE',7.66,0.575,170000);
INSERT INTO BUDGET VALUES('2008-2009','1224.1 BILLION USD','9.87 LAKH CRORE',3.09,0.5729,210000);
INSERT INTO BUDGET VALUES('2009-2010','1365.37 BILLION USD','10.2 LAKH CRORE',7.86,0.5526,235000);
INSERT INTO BUDGET VALUES('2010-2011','1708.46 BILLION USD','11.8 LAKH CRORE',7.50,0.5159,220000);
INSERT INTO BUDGET VALUES('2011-2012','1823.05 BILLION USD','12.57 LAKH CRORE',5.24,0.5156,200000);
INSERT INTO BUDGET VALUES('2012-2013','1827.64 BILLION USD','14.9 LAKH CRORE',5.46,0.5068,250000);
INSERT INTO BUDGET VALUES('2013-2014','1856.72 BILLION USD','16.65 LAKH CRORE',6.39,0.5031,260000);
INSERT INTO BUDGET VALUES('2014-2015','2039.12 BILLION USD','17.94 LAKH CRORE',7.41,0.5990,270000);
INSERT INTO BUDGET VALUES('2015-2016','2013.59 BILLION USD','17.77 LAKH CRORE',8.00,0.5996,300000);
INSERT INTO BUDGET VALUES('2016-2017','2294.12 BILLION USD','19.87 LAKH CRORE',8.62,0.6763,310000);
```

INSERTING VALUES

```
INSERT INTO BUDGET VALUES('2017-2018','2651.47 BILLION USD','12.27 LAKH CRORE',8.20,0.6758,330000);
INSERT INTO BUDGET VALUES('2018-2019','2702.93 BILLION USD','24.42 LAKH CRORE',6.45,0.7039,400000);
INSERT INTO BUDGET VALUES('2019-2020','2835.61 BILLION USD','27.86 LAKH CRORE',3.74,0.7504,375000);
INSERT INTO BUDGET VALUES('2020-2021','2671.6 BILLION USD','30.42 LAKH CRORE',-6.6,0.8853,440000);
INSERT INTO BUDGET VALUES('2021-2022','3150.31 BILLION USD','34.8 LAKH CRORE',8.68,0.8468,530000);
INSERT INTO BUDGET VALUES('2022-2023','3386.4 BILLION USD','39.44 LAKH CRORE',6.40,0.8113,570000);
INSERT INTO BUDGET VALUES('2023-2024','3736.88 BILLION USD','45 LAKH CRORE',6.70,0.8325,500000);
```

```
INSERT INTO COUNTRIES VALUES('ARGENTINA','487 BILLION USD',.85,30.029);
INSERT INTO COUNTRIES VALUES('AUSTRALIA','1553 BILLION USD',.223,92.393);
INSERT INTO COUNTRIES VALUES('BRAZIL','1609 BILLION USD',.7287,341.158);
INSERT INTO COUNTRIES VALUES('CANADA','19888 BILLION USD',1.13,114.355);
INSERT INTO COUNTRIES VALUES('CHINA','17734 BILLION USD',.769,3204.66);
INSERT INTO COUNTRIES VALUES('EURO AREA','14563 BILLION USD',.915,.0835);
INSERT INTO COUNTRIES VALUES('FRANCE','2958 BILLION USD',1.12,.216);
INSERT INTO COUNTRIES VALUES('GERMANY','4260 BILLION USD',.663,285.667);
```

INSERTING VALUES

```
INSERT INTO COUNTRIES VALUES('INDONESIA','1186 BILLION USD',.499,144.200);
INSERT INTO COUNTRIES VALUES('ITALY','2108 BILLION USD',1.45,218.106);
INSERT INTO COUNTRIES VALUES('JAPAN','4941 BILLION USD',2.64,1265.4);
INSERT INTO COUNTRIES VALUES('MEXICO','1273 BILLION USD',.496,206.313);
INSERT INTO COUNTRIES VALUES('NETHERLAND','1013 BILLION USD',.51,61.71);
INSERT INTO COUNTRIES VALUES('RUSSIA','1776 BILLION USD',.182,595.787);
INSERT INTO COUNTRIES VALUES('SAUDI ARABIA','834 BILLION USD',.30,1645.04);
INSERT INTO COUNTRIES VALUES('SINGAPOORE','397 BILLION USD',1.60,41.63);
INSERT INTO COUNTRIES VALUES('SOUTH AFRICA','419 BILLION USD',.674,61.72);
INSERT INTO COUNTRIES VALUES('SOUTH KOREA','1799 BILLION USD',.496,426.684);
INSERT INTO COUNTRIES VALUES('SPAIN','1427 BILLION USD',1.13,89.371);
INSERT INTO COUNTRIES VALUES('SWITZERLAND','801 BILLION USD',.414,73.22);
INSERT INTO COUNTRIES VALUES('TURKEY','819 BILLION USD',.137,68.41);
INSERT INTO COUNTRIES VALUES('UNITED KINGDOM','3131 BILLION USD',1.01,188.758);
INSERT INTO COUNTRIES VALUES('UNITED STATE','23315 BILLION USD',1.29,37.59);
INSERT INTO COUNTRIES VALUES('INDIA','3737 BILLION USD',1.7,584.248);
```

INSERTING VALUES

```
INSERT INTO PROGRAM VALUES('101','AGRICULTURE');
INSERT INTO PROGRAM VALUES('102','EDUCATION');
INSERT INTO PROGRAM VALUES('103','HEALTH');
INSERT INTO PROGRAM VALUES('104','INFRASTRUCTURE');
INSERT INTO PROGRAM VALUES('105','SOCIAL WELFARE');
INSERT INTO PROGRAM VALUES('106','TRANSPORT');
INSERT INTO PROGRAM VALUES('107','WATER SUPPLY');
INSERT INTO PROGRAM VALUES('108','POWER');
INSERT INTO PROGRAM VALUES('109','INDUSTRY');
INSERT INTO PROGRAM VALUES('110','TRADE');
```

```
INSERT INTO SCHEME VALUES('AGR-01','PRADHANMANTRI KISAN SAMMAN YOJANA',101);
INSERT INTO SCHEME VALUES('AGR-02','PRADHANMANTRI FASAL BIMA YOJANA',101);
INSERT INTO SCHEME VALUES('AGR-03','WEATHER BASED SCIP INSURANCE SCHEME',101);
INSERT INTO SCHEME VALUES('AGR-04','COCONUT PALM INSURANCE SCHEME',101);
INSERT INTO SCHEME VALUES('AGR-05','PILOT UNIFIED PACKAGE INSURANCE SCHEME',101);
```


INSERTING VALUES

```
INSERT INTO SCHEME VALUES('EDU-01','SARVA SHIKSHA ABHIYAN',102);
INSERT INTO SCHEME VALUES('EDU-02','MID DAY MEAL',102);
INSERT INTO SCHEME VALUES('EDU-03','SAMAGRA SHIKSHA',102);
INSERT INTO SCHEME VALUES('EDU-04','NIPUN BHARAT',102);
INSERT INTO SCHEME VALUES('EDU-05','PM E-VIDYA YOJANA',102);
INSERT INTO SCHEME VALUES('HEAL-01','AYUSHMAN BHARAT',103);
INSERT INTO SCHEME VALUES('HEAL-02','MISSION INDRA DHANUSH',103);
INSERT INTO SCHEME VALUES('HEAL-03','JANAM SURAKSHA YOJANA',103);
INSERT INTO SCHEME VALUES('HEAL-04','RASHTRIYA BAL SWASTHYA KARYAKRAM',103);
INSERT INTO SCHEME VALUES('HEAL-05','RASHTRIYA KISHOR SWASTHYA KARYAKRAM',103);
INSERT INTO SCHEME VALUES('HEAL-06','JANANI SHISHU SURAKSHA KARYAKRAM',103);
INSERT INTO SCHEME VALUES('TRADE-01','FOCUS PRODUCT SCHEME',110);
INSERT INTO SCHEME VALUES('TRADE-02','MARKET LINKED FOCUS PRODUCT SCHEME',110);
INSERT INTO SCHEME VALUES('TRADE-03','AGRICULTURE INFRASTRUCTURE INCENTIVE SCIP',110);
INSERT INTO SCHEME VALUES('TRADE-04','VISHESH KRISHI GRAM UDHYOG YOJANA',110);
INSERT INTO SCHEME VALUES('TRADE-05','INCERMENTAL EXPORT INCENTIVE SCHEME',110);
INSERT INTO SCHEME VALUES('TRANS-01','PRADHAN MANTRI GRAM SADAK YOJANA',106);
INSERT INTO SCHEME VALUES('TRANS-02','PRADHAN MANTRI UJJWALA YOJANA',106);
INSERT INTO SCHEME VALUES('TRANS-03','PRADHAN MANTRI BHARAT JODO YOJANA',106);
INSERT INTO SCHEME VALUES('POW-01','PRADHAN MANTRI SAHEJ BIJLI HAR GHAR YOJANA',108);
```


INSERTING VALUES

```
INSERT INTO SCHEME VALUES('POW-02','BACHAT LAMP YOJANA',108);  
INSERT INTO SCHEME VALUES('POW-03','SUPER EFFICIENT EQUIPMENT PROGRAM',108);  
INSERT INTO SCHEME VALUES('POW-04','DEEN DAYAL UPADHYAY GRAM JYOTI YOJANA',108);  
INSERT INTO SCHEME VALUES('INDUS-01','MAKE IN INDIA',109);
```

```
INSERT INTO BENEFICIARY VALUES('BENI-01','RAM SWAROOP','FARMER','UP','AGR-01');  
INSERT INTO BENEFICIARY VALUES('BENI-02','GANGA BHARATI','EQUIP-CONTRACTER','TAMIL  
NADU','AGR-04');  
INSERT INTO BENEFICIARY VALUES('BENI-03','JANARDAN','LENDER','KARNATAKA','AGR-05');  
INSERT INTO BENEFICIARY VALUES('BENI-04','AMIT PRAKASH','COOK','MP','EDU-02');  
INSERT INTO BENEFICIARY VALUES('BENI-05','SAURAV YADAV','TEACHER','TELANGANA','EDU-04');  
INSERT INTO BENEFICIARY VALUES('BENI-06','SAUMYA SINGH','STUDENT','ASSAM','EDU-05');  
INSERT INTO BENEFICIARY VALUES('BENI-07','SURAJ KUMAR','','UP','HEAL-01');  
INSERT INTO BENEFICIARY VALUES('BENI-08','AYUSH PANDEY','INFANT','JHARKHAND','HEAL-02');  
INSERT INTO BENEFICIARY VALUES('BENI-09','MALTI DEVI','MOTHER','TELANGANA','HEAL-06');  
INSERT INTO BENEFICIARY VALUES('BENI-10','RAMESH AHIR','CONTRACTOR','UP','TRANS-01');
```

INSERTING VALUES

```
INSERT INTO BENEFICIARY VALUES('BENI-11','GT ROAD','NH','BIHAR','TRANS-03');
INSERT INTO BENEFICIARY VALUES('BENI-12','NARENDRA RAMPAL','WAGE WORKER','BIHAR','POW-01');
INSERT INTO BENEFICIARY VALUES('BENI-13','SITAMARHI JODO','NAGAR NIGAM','BIAHR','POW-02');
INSERT INTO BENEFICIARY VALUES('BENI-14','ABHAY SHARMA','STARTUP','DELHI','INDUS-01');
```

```
INSERT INTO PROVIDES_FOR VALUES('BENI-01','TRANS-03');
INSERT INTO PROVIDES_FOR VALUES('BENI-10','EDU-01');
INSERT INTO PROVIDES_FOR VALUES('BENI-09','INDUS-01');
INSERT INTO PROVIDES_FOR VALUES('BENI-03','POW-03');
INSERT INTO PROVIDES_FOR VALUES('BENI-04','HEAL-06');
INSERT INTO PROVIDES_FOR VALUES('BENI-01','TRANS-01');
INSERT INTO PROVIDES_FOR VALUES('BENI-14','AGR-05');
INSERT INTO PROVIDES_FOR VALUES('BENI-01','TRANS-01');
INSERT INTO PROVIDES_FOR VALUES('BENI-07','AGR-01');
INSERT INTO PROVIDES_FOR VALUES('BENI-10','INDUS-01');
INSERT INTO PROVIDES_FOR VALUES('BENI-10','TRADE-04');
INSERT INTO PROVIDES_FOR VALUES('BENI-14','TRADE-04');
INSERT INTO PROVIDES_FOR VALUES('BENI-13','TRADE-01');
INSERT INTO PROVIDES_FOR VALUES('BENI-11','TRADE-02');
INSERT INTO PROVIDES_FOR VALUES('BENI-01','EDU-05');
```

INSERTING VALUES

```
INSERT INTO STATES VALUES('J&K','101','AGR-01','',7 BILLION USD');
INSERT INTO STATES VALUES('HP','101','AGR-01','',15 BILLION USD');
INSERT INTO STATES VALUES('UP','103','HEAL-01','BENI-07','67.9 BILLION USD');
INSERT INTO STATES VALUES('BIHAR','106','TRANS-03','BENI-11','117 BILLION USD');
INSERT INTO STATES VALUES('JHARKHAND','103','HEAL-02','BENI-08','0.7 BILLION USD');
INSERT INTO STATES VALUES('ASSAM','102','EDU-05','BENI-06','34 BILLION USD');
INSERT INTO STATES VALUES('KOLKATA','101','AGR-05','BENI-03','69 BILLION USD');
INSERT INTO STATES VALUES('MP','102','EDU-02','BENI-04','18 BILLION USD');
INSERT INTO STATES VALUES('TELANGANA','102','EDU-04','BENI-05','4 BILLION USD');
INSERT INTO STATES VALUES('DELHI','109','INDUS-01','BENI-14','67 BILLION USD');
INSERT INTO STATES VALUES('PUNJAB','110','TRADE-01','',87 BILLION USD');
INSERT INTO STATES VALUES('HARYANA','101','AGR-04','',87 BILLION USD');
INSERT INTO STATES VALUES('SIKIM','109','INDUS-01','',13 BILLION USD');
INSERT INTO STATES VALUES('MEGHALAYA','106','TRANS-03','',112 BILLION USD');
INSERT INTO STATES VALUES('KARNATAKA','101','AGR-05','BENI-03','32 BILLION USD');
INSERT INTO STATES VALUES('TAMIL NADU','101','AGR-04','BENI-02','56 BILLION USD');
INSERT INTO STATES VALUES('KERALA','108','POW-01','',98 BILLION USD');
INSERT INTO STATES VALUES('GUJRAT','108','POW-02','',76 BILLION USD');
INSERT INTO STATES VALUES('MAHARASTRA','108','POW-01','',97 BILLION USD');
```

INSERTING VALUES

```
INSERT INTO DEPARTMENT VALUES('DEPT-01','FERTILISER','107 BILLION USD','101');
INSERT INTO DEPARTMENT VALUES('DEPT-02','RAILWAYS','59 BILLION USD','106');
INSERT INTO DEPARTMENT VALUES('DEPT-03','FSSAI','100 MILLION USD','103');
INSERT INTO DEPARTMENT VALUES('DEPT-04','IRRIGATION','3.7 BILLION USD','107');
INSERT INTO DEPARTMENT VALUES('DEPT-05','EXTERNAL AFFAIR','800 MILLION USD','110');
INSERT INTO DEPARTMENT VALUES('DEPT-06','COMMERCE','7 BILLION USD','109');
INSERT INTO DEPARTMENT VALUES('DEPT-07','SOCIAL JUSTICE','350 MILLION USD','105');
INSERT INTO DEPARTMENT VALUES('DEPT-08','SPACE','11 BILLION USD','104');
INSERT INTO DEPARTMENT VALUES('DEPT-09','SCHOOL EDUCATION AND LITERACY','5 BILLION
USD','102');
INSERT INTO DEPARTMENT VALUES('DEPT-10','HIGHER EDUCATION','9 BILLION USD','102');
INSERT INTO DEPARTMENT VALUES('DEPT-11','BACKWARD CLASS WELFARE','15 BILLION USD','105');
INSERT INTO DEPARTMENT VALUES('DEPT-12','FINANCE','30 BILLION USD','110');
INSERT INTO DEPARTMENT VALUES('DEPT-13','WOMAN AND CHILD WELFARE','300 MILLION USD','104');
INSERT INTO DEPARTMENT VALUES('DEPT-14','MEDICAL EDUCATION','2 BILLION USD','102');
INSERT INTO DEPARTMENT VALUES('DEPT-15','SKILL DEVELOPMENT ENTREPRENEURSHIP AND
LIVELIHOOD','400 MILLION USD','109');
INSERT INTO DEPARTMENT VALUES('DEPT-16','WATER RESOURCES','950 MILLION USD','107');
INSERT INTO DEPARTMENT VALUES('DEPT-17','EMPOWERNMENT IN SPORTS','500 MILLION USD','103');
```

INSERTING VALUES

```
INSERT INTO EXPENDITURE_CATEGORY VALUES('EXP-CAT-01','12.8 BILLION USD','REVENUE');
INSERT INTO EXPENDITURE_CATEGORY VALUES('EXP-CAT-02','16.2 BILLION USD','CAPITAL');
INSERT INTO EXPENDITURE_CATEGORY VALUES('EXP-CAT-03','15.3 BILLION USD','DEFENSE');
INSERT INTO EXPENDITURE_CATEGORY VALUES('EXP-CAT-04','12.56 BILLION USD','SOCIAL SECTOR');
INSERT INTO EXPENDITURE_CATEGORY VALUES('EXP-CAT-05','13.4 BILLION USD','SUBSIDIES');
INSERT INTO EXPENDITURE_CATEGORY VALUES('EXP-CAT-06','14 BILLION USD','DEBT SERVICING');
INSERT INTO EXPENDITURE_CATEGORY VALUES('EXP-CAT-07','15.3 BILLION
USD','ADMINISTRATIVE');INSERT INTO EXPENDITURE_CATEGORY VALUES('EXP-CAT-08','16.02 BILLION
USD','INTEREST PAYMENTS');
INSERT INTO EXPENDITURE_CATEGORY VALUES('EXP-CAT-09','15.98 BILLION USD','GRANTS AND
TRANSFERS');
INSERT INTO EXPENDITURE_CATEGORY VALUES('EXP-CAT-10','17.01 BILLION USD','R&D');
INSERT INTO EXPENDITURE_CATEGORY VALUES('EXP-CAT-11','16.85 BILLION USD','ENVIRONMENTAL
EXPENDITURE');
INSERT INTO EXPENDITURE_CATEGORY VALUES('EXP-CAT-12','15.89 BILLION USD','PUBLIC SAFETY
AND LAW ENFORCEMENT');INSERT INTO EXPENDITURE_CATEGORY VALUES('EXP-CAT-13','16.32
BILLION USD','DISASTER MANAGEMENT');
INSERT INTO EXPENDITURE_CATEGORY VALUES('EXP-CAT-14','15.99 BILLION USD','CULTURAL AND
HERITAGE PRESERVATION');
```

INSERTING VALUES

```
INSERT INTO EXPENDITURE_CATEGORY VALUES('EXP-CAT-15','15.81 BILLION USD','TOURISM  
PROMOTION');  
INSERT INTO EXPENDITURE_CATEGORY VALUES('EXP-CAT-16','18.3 BILLION USD','FOREIGN AID  
INTERNATIONAL CORPORATION');  
INSERT INTO EXPENDITURE_CATEGORY VALUES('EXP-CAT-17','19.01 BILLION USD','PUBLIC  
DISTRIBUTION SYSTEM');  
INSERT INTO EXPENDITURE_CATEGORY VALUES('EXP-CAT-18','16.85 BILLION USD','EMPLOYMENT  
GENERATION');  
INSERT INTO EXPENDITURE_CATEGORY VALUES('EXP-CAT-19','21.7 BILLION USD','URBAN  
DEVLOPEMENT');  
INSERT INTO EXPENDITURE_CATEGORY VALUES('EXP-CAT-20','20.66 BILLION USD','SCIENCE AND  
TECHNOLOGY');  
INSERT INTO EXPENDITURE_CATEGORY VALUES('EXP-CAT-21','21.58 BILLION USD','FINANCIAL  
SECTOR SUPPORT');  
INSERT INTO EXPENDITURE_CATEGORY VALUES('EXP-CAT-22','15.94 BILLION USD','MINORITY  
WELFARE');  
INSERT INTO EXPENDITURE_CATEGORY VALUES('EXP-CAT-23','21.6 BILLION USD','INFORMATION  
AND BROADCASTING');
```


INSERTING VALUES

```
INSERT INTO EXPENDITURE_CATEGORY VALUES('EXP-CAT-24','20.32 BILLION USD','SKILL DEVELOPEMENT');
```

```
INSERT INTO EXPENDITURE_CATEGORY VALUES('EXP-CAT-25','18.78 BILLION USD','RURAL EMPLOYMENT PROGRAM');
```

```
INSERT INTO EXPENDITURE VALUES('EXP-01','EXP-CAT-01','DEPT-17','110');
```

```
INSERT INTO EXPENDITURE VALUES('EXP-02','EXP-CAT-02','DEPT-01','109');
```

```
INSERT INTO EXPENDITURE VALUES('EXP-03','EXP-CAT-01','DEPT-02','101');
```

```
INSERT INTO EXPENDITURE VALUES('EXP-04','EXP-CAT-03','DEPT-16','104');INSERT INTO EXPENDITURE VALUES('EXP-05','EXP-CAT-06','DEPT-03','103');
```

```
INSERT INTO EXPENDITURE VALUES('EXP-06','EXP-CAT-07','DEPT-15','102');
```

```
INSERT INTO EXPENDITURE VALUES('EXP-07','EXP-CAT-03','DEPT-04','107');
```

```
INSERT INTO EXPENDITURE VALUES('EXP-08','EXP-CAT-03','DEPT-04','101');
```

```
INSERT INTO EXPENDITURE VALUES('EXP-09','EXP-CAT-08','DEPT-15','104');
```

```
INSERT INTO EXPENDITURE VALUES('EXP-10','EXP-CAT-09','DEPT-12','110');
```

```
INSERT INTO EXPENDITURE VALUES('EXP-11','EXP-CAT-10','DEPT-16','108');
```

```
INSERT INTO EXPENDITURE VALUES('EXP-12','EXP-CAT-14','DEPT-11','109');
```

```
INSERT INTO EXPENDITURE VALUES('EXP-13','EXP-CAT-23','DEPT-06','104');
```

```
INSERT INTO EXPENDITURE VALUES('EXP-14','EXP-CAT-25','DEPT-12','103');
```

```
INSERT INTO EXPENDITURE VALUES('EXP-15','EXP-CAT-21','DEPT-05','103');
```

INSERTING VALUES

INSERT INTO TAXATION VALUES ('TAX-01', '900 MILLION USD', 'INCOME TAX', 'EXP-01');
INSERT INTO TAXATION VALUES ('TAX-02', '957 MILLION USD', 'GOODS AND SERVICES TAX (GST)', 'EXP-02');
INSERT INTO TAXATION VALUES ('TAX-03', '850 MILLION USD', 'CORPORATE TAX', 'EXP-03');
INSERT INTO TAXATION VALUES ('TAX-04', '780 MILLION USD', 'CAPITAL GAINS TAX', 'EXP-04');
INSERT INTO TAXATION VALUES ('TAX-05', '620 MILLION USD', 'SECURITIES TRANSACTION TAX (STT)', 'EXP-05');
INSERT INTO TAXATION VALUES ('TAX-06', '610 MILLION USD', 'DIVIDEND DISTRIBUTION TAX (DDT)', 'EXP-06');
INSERT INTO TAXATION VALUES ('TAX-07', '580 MILLION USD', 'CUSTOMS DUTY', 'EXP-07');
INSERT INTO TAXATION VALUES ('TAX-08', '520 MILLION USD', 'EXCISE DUTY (SUBSUMED UNDER GST)', 'EXP-08');
INSERT INTO TAXATION VALUES ('TAX-09', '515 MILLION USD', 'SERVICE TAX (SUBSUMED UNDER GST)', 'EXP-09');
INSERT INTO TAXATION VALUES ('TAX-10', '860 MILLION USD', 'WEALTH TAX (ABOLISHED IN 2015)', 'EXP-10');
INSERT INTO TAXATION VALUES ('TAX-11', '780 MILLION USD', 'PROFESSIONAL TAX', 'EXP-11');

INSERTING VALUES

INSERT INTO TAXATION VALUES ('TAX-12', '890 MILLION USD', 'AGRICULTURAL INCOME TAX (LEVIED BY CERTAIN STATE GOVERNMENTS)', 'EXP-12');

INSERT INTO TAXATION VALUES ('TAX-13', '640 MILLION USD', 'VALUE ADDED TAX (VAT) (SUBSUMED UNDER GST)', 'EXP-13');

INSERT INTO TAXATION VALUES ('TAX-14', '710 MILLION USD', 'CENTRAL SALES TAX (SUBSUMED UNDER GST)', 'EXP-14');

INSERT INTO TAXATION VALUES ('TAX-15', '820 MILLION USD', 'ENTERTAINMENT TAX', 'EXP-15');

INSERT INTO TAXATION VALUES ('TAX-16', '605 MILLION USD', 'STAMP DUTY', 'EXP-01');

INSERT INTO TAXATION VALUES ('TAX-17', '520 MILLION USD', 'REGISTRATION FEE', 'EXP-02');

INSERT INTO TAXATION VALUES ('TAX-18', '790 MILLION USD', 'ROAD TAX', 'EXP-03');

INSERT INTO TAXATION VALUES ('TAX-19', '845 MILLION USD', 'VEHICLE TAX', 'EXP-04');

INSERT INTO TAXATION VALUES ('TAX-20', '810 MILLION USD', 'ELECTRICITY DUTY', 'EXP-05');

INSERT INTO TAXATION VALUES ('TAX-21', '100 MILLION USD', 'EDUCATION CESS', 'EXP-06');

INSERT INTO TAXATION VALUES ('TAX-22', '120 MILLION USD', 'SECONDARY AND HIGHER EDUCATION CESS', 'EXP-07');

INSERT INTO TAXATION VALUES ('TAX-23', '93 MILLION USD', 'SWACHH BHARAT CESS', 'EXP-08');

INSERT INTO TAXATION VALUES ('TAX-24', '200 MILLION USD', 'KRISHI KALYAN CESS', 'EXP-09');

INSERT INTO TAXATION VALUES ('TAX-25', '600 MILLION USD', 'RESEARCH AND DEVELOPMENT CESS', 'EXP-10');

INSERTING VALUES

INSERT INTO TAXATION VALUES ('TAX-26', '12 MILLION USD', 'CLEAN ENERGY CESS', 'EXP-11');
INSERT INTO TAXATION VALUES ('TAX-27', '500 MILLION USD', 'INFRASTRUCTURE CESS', 'EXP-12');
INSERT INTO TAXATION VALUES ('TAX-28', '10 MILLION USD', 'NATIONAL CALAMITY CONTINGENT DUTY', 'EXP-13');
INSERT INTO TAXATION VALUES ('TAX-29', '13 MILLION USD', 'HEALTH CESS', 'EXP-14');
INSERT INTO TAXATION VALUES ('TAX-30', '78 MILLION USD', 'SOCIAL WELFARE SURCHARGE', 'EXP-15');
INSERT INTO TAXATION VALUES ('TAX-31', '3 MILLION USD', 'POLLUTION CESS', 'EXP-01');
INSERT INTO TAXATION VALUES ('TAX-32', '0.6 MILLION USD', 'COW CESS (LEVIED BY CERTAIN STATE GOVERNMENTS)', 'EXP-02');
INSERT INTO TAXATION VALUES ('TAX-33', '74.976 MILLION USD', 'ENTRY TAX (LEVIED BY CERTAIN STATE GOVERNMENTS)', 'EXP-03');
INSERT INTO TAXATION VALUES ('TAX-34', '147.3 MILLION USD', 'LUXURY TAX', 'EXP-04');
INSERT INTO TAXATION VALUES ('TAX-35', '0.2 MILLION USD', 'BETTING AND GAMBLING TAX', 'EXP-05');
INSERT INTO TAXATION VALUES ('TAX-36', '12 MILLION USD', 'PROPERTY TAX', 'EXP-06');
INSERT INTO TAXATION VALUES ('TAX-37', '0.04 MILLION USD', 'OCTROI (LEVIED BY CERTAIN MUNICIPALITIES)', 'EXP-07');

INSERTING VALUES

INSERT INTO TAXATION VALUES ('TAX-38', '12 MILLION USD', 'EDUCATION CESS ON HIGHER EDUCATION', 'EXP-08');

INSERT INTO TAXATION VALUES ('TAX-39', '0.7 MILLION USD', 'SUGAR CESS', 'EXP-09');

INSERT INTO TAXATION VALUES ('TAX-40', '0.5 MILLION USD', 'TEA CESS', 'EXP-10');

INSERT INTO TAXATION VALUES ('TAX-41', '0.23 MILLION USD', 'COCONUT DEVELOPMENT CESS', 'EXP-11');

INSERT INTO TAXATION VALUES ('TAX-42', '0.0045 MILLION USD', 'RUBBER CESS', 'EXP-12'); INSERT INTO TAXATION VALUES ('TAX-43', '0.0067 MILLION USD', 'BEEDI CESS', 'EXP-13');

INSERT INTO TAXATION VALUES ('TAX-44', '0.566 MILLION USD', 'TOBACCO CESS', 'EXP-14');

INSERT INTO TAXATION VALUES ('TAX-45', '56 MILLION USD', 'EXPENDITURE TAX', 'EXP-15');

INSERT INTO TAXATION VALUES ('TAX-46', '8 MILLION USD', 'ANTI-DUMPING DUTY', 'EXP-06');

INSERT INTO TAXATION VALUES ('TAX-47', '6 MILLION USD', 'COUNTERVAILING DUTY', 'EXP-07');

INSERT INTO TAXATION VALUES ('TAX-48', '8 MILLION USD', 'EDUCATION CESS ON CUSTOMS DUTY', 'EXP-08');

INSERT INTO TAXATION VALUES ('TAX-49', '12 MILLION USD', 'RESEARCH AND DEVELOPMENT CESS ON CUSTOMS DUTY', 'EXP-09');

INSERT INTO TAXATION VALUES ('TAX-50', '11 MILLION USD', 'AGRICULTURAL INFRA. AND DEVELOPEMENT CESS', 'EXP-10');

INSERTING VALUES

```
INSERT INTO ADMINISTERS VALUES('DEPT-01','101');  
INSERT INTO ADMINISTERS VALUES('DEPT-01','105');  
INSERT INTO ADMINISTERS VALUES('DEPT-17','110');  
INSERT INTO ADMINISTERS VALUES('DEPT-11','109');  
INSERT INTO ADMINISTERS VALUES('DEPT-01','106');  
INSERT INTO ADMINISTERS VALUES('DEPT-07','107');  
INSERT INTO ADMINISTERS VALUES('DEPT-08','108');  
INSERT INTO ADMINISTERS VALUES('DEPT-09','108');  
INSERT INTO ADMINISTERS VALUES('DEPT-11','101');  
INSERT INTO ADMINISTERS VALUES('DEPT-13','103');
```

TABLE AFTER NORMALIZATION

BUDGET

BUDGET_ID	TOTAL_REVENUE	TOTAL_EXPENDITURE	GDP_GROWTH_RATE	DEBT_GDP_RATIO	FOREX
2001-2002	493.93 BILLION USD	3.95 LAKH CRORE	4.82	.5902	115000
2002-2003	523.77 BILLION USD	4.23 LAKH CRORE	3.8	.6255	110000
2003-2004	618.77 BILLION USD	4.86 LAKH CRORE	7.86	.6219	120000
2004-2005	712.59 BILLION USD	5.57 LAKH CRORE	7.92	.6259	135000
2005-2006	834.22 BILLION USD	7.68 LAKH CRORE	7.92	.6223	140000
2006-2007	949.12 BILLION USD	8.11 LAKH CRORE	7.06	.5967	195000
2007-2008	1238.7 BILLION USD	9.12 LAKH CRORE	7.66	.575	170000
2008-2009	1224.1 BILLION USD	9.87 LAKH CRORE	3.09	.5729	210000
2009-2010	1365.37 BILLION USD	10.2 LAKH CRORE	7.86	.5526	235000
2010-2011	1708.46 BILLION USD	11.8 LAKH CRORE	7.5	.5159	220000
2011-2012	1823.05 BILLION USD	12.57 LAKH CRORE	5.24	.5156	200000
2012-2013	1827.64 BILLION USD	14.9 LAKH CRORE	5.46	.5068	250000

BUDGET

2013-2014	1856.72 BILLION USD	16.65 LAKH CRORE	6.39	.5031	260000
2014-2015	2039.12 BILLION USD	17.94 LAKH CRORE	7.41	.599	270000
2015-2016	2013.59 BILLION USD	17.77 LAKH CRORE	8	.5996	300000
2016-2017	2294.12 BILLION USD	19.87 LAKH CRORE	8.62	.6763	310000
2017-2018	2651.47 BILLION USD	12.27 LAKH CRORE	8.2	.6758	330000
2018-2019	2702.93 BILLION USD	24.42 LAKH CRORE	6.45	.7039	400000
2019-2020	2835.61 BILLION USD	27.86 LAKH CRORE	3.74	.7504	375000
2020-2021	2671.6 BILLION USD	30.42 LAKH CRORE	-6.6	.8853	440000
2021-2022	3150.31 BILLION USD	34.8 LAKH CRORE	8.68	.8468	530000
2022-2023	3386.4 BILLION USD	39.44 LAKH CRORE	6.4	.8113	570000
2023-2024	3736.88 BILLION USD	45 LAKH CRORE	6.7	.8325	500000

COUNTRIES

COUNTRY_ID	TOTAL_GDP	DEBT_GDP_RATIO_RATIO	FOREX
ARGENTINA	487 BILLION USD	.85	30.029
AUSTRALIA	1553 BILLION USD	.223	92.393
BRAZIL	1609 BILLION USD	.7287	341.158
CANADA	19888 BILLION USD	1.13	114.355
CHINA	17734 BILLION USD	.769	3204.66
EURO AREA	14563 BILLION USD	.915	.0835
FRANCE	2958 BILLION USD	1.12	.216
GERMANY	4260 BILLION USD	.663	285.667
INDONESIA	1186 BILLION USD	.499	144.2
ITALY	2108 BILLION USD	1.45	218.106
JAPAN	4941 BILLION USD	2.64	1265.4
MEXICO	1273 BILLION USD	.496	206.313

COUNTRIES

NETHERLAND	1013 BILLION USD	.51	61.71
RUSSIA	1776 BILLION USD	.182	595.787
SAUDI ARABIA	834 BILLION USD	.3	1645.04
SINGAPOORE	397 BILLION USD	1.6	41.63
SOUTH AFRICA	419 BILLION USD	.674	61.72
SOUTH KOREA	1799 BILLION USD	.496	426.684
SPAIN	1427 BILLION USD	1.13	89.371
SWITZERLAND	801 BILLION USD	.414	73.22
TURKEY	819 BILLION USD	.137	68.41
UNITED KINGDOM	3131 BILLION USD	1.01	188.758
UNITED STATE	23315 BILLION USD	1.29	37.59
INDIA	3737 BILLION USD	1.7	584.248

PROGRAM

PROG_ID	PROG_NAME
101	AGRICULTURE
102	EDUCATION
103	HEALTH
104	INFRASTRUCTURE
105	SOCIAL WELFARE
106	TRANSPORT
107	WATER SUPPLY
108	POWER
109	INDUSTRY
110	TRADE

SCHEME

SCHEME_ID	SCHEME_NAME	PROG_ID
AGR-01	PRADHANMANTRI KISAN SAMMAN YOJANA	101
AGR-02	PRADHANMANTRI FASAL BIMA YOJANA	101
AGR-03	WEATHER BASED SCRIIP INSURANCE SCHEME	101
AGR-04	COCONUT PALM INSURANCE SCHEME	101
AGR-05	PILOT UNIFIED PACKAGE INSURANCE SCHEME	101
EDU-01	SARVA SHIKSHA ABHIYAN	102
EDU-02	MID DAY MEAL	102
EDU-03	SAMAGRA SHIKSHA	102
EDU-04	NIPUN BHARAT	102
EDU-05	PM E-VIDYA YOJANA	102
HEAL-01	AYUSHMAN BHARAT	103

SCHEME

HEAL-02	MISSION INDRA DHANUSH	103
HEAL-03	JANAM SURAKSHA YOJANA	103
HEAL-04	RASHTRIYA BAL SWASTHYA KARYAKRAM	103
HEAL-05	RASHTRIYA KISHOR SWASTHYA KARYAKRAM	103
HEAL-06	JANANI SHISHU SURAKSHA KARYAKRAM	103
TRADE-01	FOCUS PRODUCT SCHEME	110
TRADE-02	MARKET LINKED FOCUS PRODUCT SCHEME	110
TRADE-03	AGRICULTURE INFRASTRUCTURE INCENTIVE SCRIp	110
TRADE-04	VISHESH KRISHI GRAM UDHYOG YOJANA	110
TRADE-05	INCERMENTAL EXPORT INCENTIVE SCHEME	110
TRANS-01	PRADHAN MANTRI GRAM SADAK YOJANA	106
TRANS-02	PRADHAN MANTRI UJJWALA YOJANA	106
TRANS-03	PRADHAN MANTRI BHARAT JODO YOJANA	106

BENEFICIARY

BENI_ID	BENI_NAME	BENI_TYPE	ADDRESS	SCHEME_ID
BENI-01	RAM SWAROOP	FARMER	UP	AGR-01
BENI-02	GANGA BHARATI	EQUIP-CONTRACTER	TAMIL NADU	AGR-04
BENI-03	JANARDAN	LENDER	KARNATAKA	AGR-05
BENI-04	AMIT PRAKASH	COOK	MP	EDU-02
BENI-05	SAURAV YADAV	TEACHER	TELANGANA	EDU-04
BENI-06	SAUMYA SINGH	STUDENT	ASSAM	EDU-05
BENI-07	SURAJ KUMAR	-	UP	HEAL-01
BENI-08	AYUSH PANDEY	INFANT	JHARKHAND	HEAL-02
BENI-09	MALTI DEVI	MOTHER	TELANGANA	HEAL-06
BENI-10	RAMESH AHIR	CONTRACTOR	UP	TRANS-01
BENI-11	GT ROAD	NH	BIHAR	TRANS-03

PROVIDES_FOR

BENI_ID	SCHEME_ID
BENI-01	EDU-05
BENI-01	TRANS-01
BENI-01	TRANS-03
BENI-03	POW-03
BENI-04	HEAL-06
BENI-07	AGR-01
BENI-09	INDUS-01
BENI-10	EDU-01
BENI-10	INDUS-01
BENI-10	TRADE-04
BENI-11	TRADE-02

STATES

STATE_ID	PROG_ID	SCHEME_ID	BENI_ID	ALLOTED_BUDGET
J&K	101	AGR-01	-	7 BILLION USD
HP	101	AGR-01	-	15 BILLION USD
UP	103	HEAL-01	BENI-07	67.9 BILLION USD
BIHAR	106	TRANS-03	BENI-11	117 BILLION USD
JHARKHAND	103	HEAL-02	BENI-08	0.7 BILLION USD
ASSAM	102	EDU-05	BENI-06	34 BILLION USD
KOLKATA	101	AGR-05	BENI-03	69 BILLION USD
MP	102	EDU-02	BENI-04	18 BILLION USD
TELANGANA	102	EDU-04	BENI-05	4 BILLION USD
DELHI	109	INDUS-01	BENI-14	67 BILLION USD
PUNJAB	110	TRADE-01	-	87 BILLION USD
HARYANA	101	AGR-04	-	87 BILLION USD

STATES

SIKIM	109	INDUS-01	-	13 BILLION USD
MEGHALAYA	106	TRANS-03	-	112 BILLION USD
KARNATAKA	101	AGR-05	BENI-03	32 BILLION USD
TAMIL NADU	101	AGR-04	BENI-02	56 BILLION USD
KERALA	108	POW-01	-	98 BILLION USD
GUJRAT	108	POW-02	-	76 BILLION USD
MAHARASTRA	108	POW-01	-	97 BILLION USD

DEPARTMENT

DEPT_ID	DEPT_NAME	DEPT_BUDGET	PROG_ID
DEPT-01	FERTILISER	107 BILLION USD	101
DEPT-02	RAILWAYS	59 BILLION USD	106
DEPT-03	FSSAI	100 MILLION USD	103
DEPT-04	IRRIGATION	3.7 BILLION USD	107
DEPT-05	EXTERNAL AFFAIR	800 MILLION USD	110
DEPT-06	COMMERCE	7 BILLION USD	109
DEPT-07	SOCIAL JUSTICE	350 MILLION USD	105
DEPT-08	SPACE	11 BILLION USD	104
DEPT-09	SCHOOL EDUCATION AND LITERACY	5 BILLION USD	102

DEPARTMENT

DEPT-10	HIGHER EDUCATION	9 BILLION USD	102
DEPT-11	BACKWARD CLASS WELFARE	15 BILLION USD	105
DEPT-12	FINANCE	30 BILLION USD	110
DEPT-13	WOMAN AND CHILD WELFARE	300 MILLION USD	104
DEPT-14	MEDICAL EDUCATION	2 BILLION USD	102
DEPT-15	SKILL DEVELOPMENT ENTREPRENEURSHIP AND LIVELIHOOD	400 MILLION USD	109
DEPT-16	WATER RESOURCES	950 MILLION USD	107
DEPT-17	EMPOWERMENT IN SPORTS	500 MILLION USD	103

ADMINISTERS

DEPT_ID	PROG_ID
DEPT-01	101
DEPT-01	105
DEPT-01	106
DEPT-07	107
DEPT-08	108
DEPT-09	108
DEPT-11	101
DEPT-11	109
DEPT-13	103
DEPT-17	110

EXPENDITURE_CATEGORY

EXPENDITURE_CAT_ID	AMOUNT	TYPE
EXP-CAT-01	12.8 BILLION USD	REVENUE
EXP-CAT-02	16.2 BILLION USD	CAPITAL
EXP-CAT-03	15.3 BILLION USD	DEFENSE
EXP-CAT-04	12.56 BILLION USD	SOCIAL SECTOR
EXP-CAT-05	13.4 BILLION USD	SUBSIDIES
EXP-CAT-06	14 BILLION USD	DEBT SERVICING
EXP-CAT-07	15.3 BILLION USD	ADMINISTRATIVE
EXP-CAT-08	16.02 BILLION USD	INTEREST PAYMENTS
EXP-CAT-09	15.98 BILLION USD	GRANTS AND TRANSFERS
EXP-CAT-10	17.01 BILLION USD	R&D

EXPENDITURE_CATEGORY

EXP-CAT-11	16.85 BILLION USD	ENVIRONMENTAL EXPENDITURE
EXP-CAT-12	15.89 BILLION USD	PUBLIC SAFETY AND LAW ENFORCEMENT
EXP-CAT-13	16.32 BILLION USD	DISASTER MANAGEMENT
EXP-CAT-14	15.99 BILLION USD	CULTURAL AND HERITAGE PRESERVATION
EXP-CAT-15	15.81 BILLION USD	TOURISM PROMOTION
EXP-CAT-16	18.3 BILLION USD	FOREIGN AID INTERNATIONAL CORPORATION
EXP-CAT-17	19.01 BILLION USD	PUBLIC DISTRIBUTION SYSTEM
EXP-CAT-18	16.85 BILLION USD	EMPLOYMENT GENRATION
EXP-CAT-19	21. 7 BILLION USD	URBAN DEVLOPEMENT
EXP-CAT-20	20.66 BILLION USD	SCIENCE AND TECHNOLOGY

EXPENDITURE

EXP_ID	EXPENDITURE_CAT_ID	DEPT_ID	PROG_ID
EXP-01	EXP-CAT-01	DEPT-17	110
EXP-02	EXP-CAT-02	DEPT-01	109
EXP-03	EXP-CAT-01	DEPT-02	101
EXP-04	EXP-CAT-03	DEPT-16	104
EXP-05	EXP-CAT-06	DEPT-03	103
EXP-06	EXP-CAT-07	DEPT-15	102
EXP-07	EXP-CAT-03	DEPT-04	107
EXP-08	EXP-CAT-03	DEPT-04	101

EXPENDITURE

EXP-09	EXP-CAT-08	DEPT-15	104
EXP-10	EXP-CAT-09	DEPT-12	110
EXP-11	EXP-CAT-10	DEPT-16	108
EXP-12	EXP-CAT-14	DEPT-11	109
EXP-13	EXP-CAT-23	DEPT-06	104
EXP-14	EXP-CAT-25	DEPT-12	103
EXP-15	EXP-CAT-21	DEPT-05	103

TAXATION

TAX_ID	TAX_REVENUE	TAX_TYPE	EXP_ID
TAX-01	900 MILLION USD	INCOME TAX	EXP-01
TAX-02	957 MILLION USD	GOODS AND SERVICES TAX (GST)	EXP-02
TAX-03	850 MILLION USD	CORPORATE TAX	EXP-03
TAX-04	780 MILLION USD	CAPITAL GAINS TAX	EXP-04
TAX-05	620 MILLION USD	SECURITIES TRANSACTION TAX (STT)	EXP-05
TAX-06	610 MILLION USD	DIVIDEND DISTRIBUTION TAX (DDT)	EXP-06
TAX-07	580 MILLION USD	CUSTOMS DUTY	EXP-07
TAX-08	520 MILLION USD	EXCISE DUTY (SUBSUMED UNDER GST)	EXP-08
TAX-09	515 MILLION USD	SERVICE TAX (SUBSUMED UNDER GST)	EXP-09
TAX-10	860 MILLION USD	WEALTH TAX (ABOLISHED IN 2015)	EXP-10

TAXATION

TAX-41	0.23 MILLION USD	COCONUT DEVELOPMENT CESS	EXP-11
TAX-42	0.0045 MILLION USD	RUBBER CESS	EXP-12
TAX-43	0.0067 MILLION USD	BEEDI CESS	EXP-13
TAX-44	0.566 MILLION USD	TOBACCO CESS	EXP-14
TAX-45	56 MILLION USD	EXPENDITURE TAX	EXP-15
TAX-46	8 MILLION USD	ANTI-DUMPING DUTY	EXP-06
TAX-47	6 MILLION USD	COUNTERVAILING DUTY	EXP-07
TAX-48	8 MILLION USD	EDUCATION CESS ON CUSTOMS DUTY	EXP-08
TAX-49	12 MILLION USD	RESEARCH AND DEVELOPMENT CESS ON CUSTOMS DUTY	EXP-09
TAX-50	11 MILLION USD	AGRICULTURAL INFRA. AND DEVELOPEMENT CESS	EXP-10

SUB QUERIES

- SELECT BENI_NAME FROM BENEFICIARY WHERE ADDRESS='UP';
- SELECT BENI_NAME,BENI_TYPE,ADDRESS FROM BENEFICIARY INNER JOIN STATES ON STATE_ID=ADDRESS;

BENI_NAME
RAM SWAROOP
SURAJ KUMAR
RAMESH AHIR

BENI_NAME	BENI_TYPE	ADDRESS
RAM SWAROOP	FARMER	UP
GANGA BHARATI	EQUIP-CONTRACTER	TAMIL NADU
JANARDAN	LENDER	KARNATAKA
AMIT PRAKASH	COOK	MP
SAURAV YADAV	TEACHER	TELANGANA
SAUMYA SINGH	STUDENT	ASSAM
SURAJ KUMAR	-	UP
AYUSH PANDEY	INFANT	JHARKHAND
MALTI DEVI	MOTHER	TELANGANA
RAMESH AHIR	CONTRACTOR	UP
GT ROAD	NH	BIHAR
NARENDRA RAMPAL	WAGE WORKER	BIHAR

SUB QUERIES

- SELECT
C1.COUNTRY_ID,C1.TOTAL_GDP,C1.DEBT_GDP_RATIO_RATIO,C1.FOREX FROM COUNTRIES
C1,COUNTRIES C2 WHERE
C2.COUNTRY_ID='INDIA' AND
C1.FOREX>C2.FOREX;

COUNTRY_ID	TOTAL_GDP	DEBT_GDP_RATIO_RATIO	FOREX
CHINA	17734 BILLION USD	.769	3204.66
JAPAN	4941 BILLION USD	2.64	1265.4
RUSSIA	1776 BILLION USD	.182	595.787
SAUDI ARABIA	834 BILLION USD	.3	1645.04

- SELECT * FROM TAXATION WHERE EXP_ID='EXP-01';

TAX_ID	TAX_REVENUE	TAX_TYPE	EXP_ID
TAX-01	900 MILLION USD	INCOME TAX	EXP-01
TAX-16	605 MILLION USD	STAMP DUTY	EXP-01
TAX-31	3 MILLION USD	POLLUTION CESS	EXP-01

The background features a large, light cream-colored circle on the left and a large, light pink circle on the right. These two circles overlap in the center. The area where they overlap is filled with a series of thin, white, concentric circular lines that radiate from the center of the pink circle. The top and bottom edges of the image are framed by a solid dark blue color.

THANK YOU