commodity\_to\_category = {}

**# Grains**

for item in ['Wheat', 'Rice', 'Maize', 'Jowar(Sorghum)', 'Millets', 'Ragi (Finger Millet)', 'Rajgir',

             'Barley (Jau)', 'Broken Rice', 'Maida Atta', 'Wheat Atta', 'Kodo Millet(Varagu)', 'Beaten Rice',

             'Sooji', 'Sajje','Hybrid Cumbu', 'T.V. Cumbu', 'Lak(Teora)']:

    commodity\_to\_category[item] = 'Grains'

**# Pulses**

for item in ['Arhar Dal(Tur Dal)', 'Masur Dal', 'Moath Dal', 'Chennangi Dal', 'Green Avare (W)', 'Avare Dal',

             'Peas(Dry)', 'Peas cod', 'Peas Wet', 'Alasande Gram', 'Field Pea', 'Indian Beans (Seam)',

             'Kulthi(Horse Gram)', 'Same/Savi', 'Gram Raw(Chholia)', 'White Peas', 'Arhar (Tur/Red Gram)(Whole)',

             'Mataki','Duster Beans', 'Guar']:

    commodity\_to\_category[item] = 'Pulses'

**# Oilseeds**

for item in ['Soyabean', 'Castor Seed', 'Sunflower', 'Groundnut', 'Ground Nut Seed', 'Linseed',

             'Groundnut (Split)', 'Groundnut pods (raw)', 'Safflower', 'Taramira', 'Niger Seed (Ramtil)',

             'Gurellu']:

    commodity\_to\_category[item] = 'Oilseeds'

**# Vegetables**

for item in ['Onion', 'Potato', 'Tomato', 'Cabbage', 'Brinjal', 'Beans', 'Beetroot', 'Bitter gourd',

             'Bottle gourd', 'Capsicum', 'Cauliflower', 'Cluster beans', 'Colacasia', 'Cucumber',

             'Drumstick', 'Green Peas', 'Pumpkin', 'Raddish', 'Ridgeguard(Tori)', 'Ridge gourd(Tori)',

             'Round gourd', 'Snakeguard', 'Snake gourd', 'Sponge gourd', 'Spinach', 'Knool Khol',

             'Leafy Vegetable', 'Turnip', 'Ashgourd', 'Carrot', 'Cowpea(Veg)', 'Green Chilli',

             'Elephant Yam (Suran)', 'Suvarna Gadde', 'Tinda', 'Chow Chow', 'Season Leaves', 'Amaranthus',

             'Mashrooms', 'Mint(Pudina)', 'Methi(Leaves)', 'Thondekai', 'Seemebadnekai', 'Bunch Beans','Sweet Potato',

             'Sweet Pumpkin', 'Yam', 'Yam (Ratalu)', 'Tapioca','Green Onion', 'Surat Beans (Papadi)', 'White Pumpkin', 'Kartali (Kantola)']:

    commodity\_to\_category[item] = 'Vegetables'

**# Fruits**

for item in ['Banana', 'Mango', 'Papaya', 'Guava', 'Pomegranate', 'Apple', 'Chikoos(Sapota)', 'Grapes',

             'Litchi', 'Plum', 'Peach', 'Jamun(Narale Hannu)', 'Water Melon', 'Mousambi(Sweet Lime)',

             'Karbuja(Musk Melon)', 'Pear(Marasebu)', 'Banana - Green', 'Papaya (Raw)', 'Mango (Raw-Ripe)',

             'Pineapple', 'Orange', 'Lemon', 'Lime', 'Long Melon(Kakri)', 'Jack Fruit', 'Seetapal',

             'Persimon(Japani Fal)', 'Seetafal', 'Amla(Nelli Kai)', 'Balekai', 'Galgal(Lemon)',

             'Almond(Badam)', 'Walnut', 'Cherry', 'Kinnow']:

    commodity\_to\_category[item] = 'Fruits'

**# Spices & Oils**

for item in ['Turmeric', 'Turmeric (raw)', 'Ginger(Dry)', 'Ginger(Green)', 'Cummin Seed(Jeera)', 'Garlic',

             'Mustard', 'Mustard Oil', 'Coconut Oil', 'Gingelly Oil', 'Black pepper', 'Cardamoms', 'Cloves',

             'Nutmeg', 'Pepper garbled', 'Pepper ungarbled', 'Tamarind Seed', 'Tamarind Fruit',

             'Dry Chillies', 'Soanf', 'Suva (Dill Seed)', 'Coriander(Leaves)', 'Coriander seed',

             'Ajwan', 'Chili Red', 'Chilli Capsicum', 'Mint(Pudina)', 'Methi Seeds', 'Isabgul (Psyllium)',

             'Betal Leaves','Mace','Toria']:

    commodity\_to\_category[item] = 'Spices/Oils'

**# Flowers (Horticulture**)

for item in ['Marigold(loose)', 'Marigold(Calcutta)', 'Chrysanthemum(Loose)', 'Jasmine', 'Tube Rose(Loose)',

             'Rose(Local)','Anthorium']:

    commodity\_to\_category[item] = 'Flowers'

**# Cash Crops**

for item in ['Coffee', 'Cotton', 'Cotton Seed', 'Rubber', 'Cashewnuts', 'Copra', 'Jute', 'Tobacco',

             'Sugarcane', 'Lint', 'Paddy(Dhan)(Basmati)', 'Paddy(Dhan)(Common)','Tender Coconut',

             'Arecanut(Betelnut/Supari)', 'Honge seed', 'Bamboo']:

    commodity\_to\_category[item] = 'Cash Crop'

**# Processed / Value-Added Products**

for item in ['Gur(Jaggery)', 'Sugar', 'Dry Grapes', 'Bran', 'Gramflour’]:

    commodity\_to\_category[item] = 'Processed'

**# Fodder / Fiber / Utility Crops**

for item in ['Dry Fodder', 'Green Fodder', 'Dhaincha', 'Sunhemp', 'Lukad', 'Siddota']:

    commodity\_to\_category[item] = 'Fodder/Fiber'

**# Other**

for item in ['Amphophalus', 'Antawala', 'Chapparad Avare', 'Cocoa', 'Coconut', 'Coconut Seed', 'Mahua',

             'Myrobolan(Harad)', 'Neem Seed', 'Lotus Sticks', 'Alsandikai', 'Mahedi', 'Thogrikai', 'Ambada Seed',

             'Indian Colza(Sarson)', 'Sabu Dan', 'Sabu Dana', 'Coca', 'Hippe Seed', 'Rose(Loose)'] :

    commodity\_to\_category[item] = 'Other'

**STATE**

['Gujarat', 'Madhya Pradesh', 'Rajasthan', 'Karnataka', 'Kerala',

'Punjab', 'Uttar Pradesh', 'Chattisgarh', 'Haryana',

'Himachal Pradesh', 'Maharashtra', 'NCT of Delhi', 'Odisha',

'Uttrakhand', 'West Bengal', 'Assam', 'Manipur',

'Jammu and Kashmir', 'Meghalaya', 'Nagaland', 'Tripura',

'Telangana', 'Tamil Nadu', 'Andhra Pradesh', 'Pondicherry',

'Uttarangra', 'Jharkhand', 'Goa', 'Mizoram']

**DISTRICT**

['Amreli', 'Banaskanth', 'Jamnagar', 'Mehsana', 'Neemuch',

'Chittorgarh', 'Bagalkot', 'Bangalore', 'Gadag', 'Panna',

'Ernakulam', 'Kollam', 'Thiruvananthapuram', 'Thirssur',

'Alappuzha', 'Kozhikode(Calicut)', 'Kasargod', 'Palakad',

'Malappuram', 'Pathanamthitta', 'Kottayam', 'Kannur', 'Wayanad',

'Idukki', 'Sangrur', 'Kanpur', 'Chikmagalur', 'Durg', 'Karnal',

'Faridabad', 'Hissar', 'Bhiwani', 'Kaithal', 'Fatehabad',

'Sonipat', 'Kurukshetra', 'Mahendragarh-Narnaul', 'Jind',

'Panipat', 'Mandi', 'Kangra', 'Sirmore', 'Solan', 'Harda',

'Chandrapur', 'Kolhapur', 'Nashik', 'Pune', 'Delhi', 'Mayurbhanja',

'Faridkot', 'Ferozpur', 'Gurdaspur', 'Hoshiarpur', 'Patiala',

'Tarntaran', 'Ajmer', 'Ganganagar', 'Udaipur', 'Agra',

'Ambedkarnagar', 'Aligarh', 'Maharajganj', 'Banda', 'Auraiya',

'Azamgarh', 'Badaun', 'Ballia', 'Balrampur', 'Unnao', 'Barabanki',

'Baghpat', 'Bareilly', 'Basti', 'Mainpuri', 'Etawah', 'Bijnor',

'Fatehpur', 'Bulandshahar', 'Muradabad', 'Kannuj', 'Etah',

'Faizabad', 'Farukhabad', 'Saharanpur', 'Ghaziabad', 'Gonda',

'Gorakhpur', 'Hardoi', 'Jyotiba Phule Nagar', 'Jalaun (Orai)',

'Jaunpur', 'Jhansi', 'Chitrakut', 'Mau(Maunathbhanjan)', 'Mathura',

'Lakhimpur', 'Lalitpur', 'Lucknow', 'Mahoba', 'Meerut', 'Mirzapur',

'Muzaffarnagar', 'Siddharth Nagar', 'Pillibhit', 'Rampur',

'Bahraich', 'Shahjahanpur', 'Firozabad', 'Sitapur', 'Sultanpur',

'Padrauna(Kusinagar)', 'Haridwar', 'UdhamSinghNagar',

'Garhwal (Pauri)', 'Dehradoon', 'Kolkata', 'Nalbari', 'Mysore',

'Shimoga', 'Sagar', 'Buldhana', 'Mumbai', 'Bishnupur',

'Imphal West', 'Imphal East', 'Thoubal', 'Allahabad', 'Hathras',

'Hamirpur', 'Varanasi', 'Puruliya', 'Birbhum', 'Rajnandgaon',

'Narmada', 'Sirsa', 'Rohtak', 'Yamuna Nagar', 'Kullu', 'Bilaspur',

'Chamba', 'Srinagar', 'Burhanpur', 'Jalgaon', 'West Garo Hills',

'East Khasi Hills', 'Jalandhar', 'Bhatinda', 'Mohali',

'kapurthala', 'Raebarelli', 'Nanital', 'Darjeeling', 'Ahmedabad',

'Bharuch', 'Surat', 'Sundergarh', 'Dhenkanal', 'Ganjam',

'Sant Kabir Nagar', 'Chhatarpur', 'Dausa', 'Bundi', 'Tonk',

'Hanumangarh', 'Kota', 'Sikar', 'Rajkot', 'Junagarh', 'Kolar',

'Satara', 'Dimapur', 'Koraput', 'Nagaon', 'Kheda', 'Davangere',

'Narsinghpur', 'Kamrup', 'Dahod', 'Vadodara(Baroda)', 'Panchkula',

'Ambala', 'Jammu', 'Chhindwara', 'Indore', 'Jhabua', 'Ujjain',

'Aurangabad', 'Nayagarh', 'Khurda', 'Cuttack', 'Bolangir',

'Jajpur', 'Fazilka', 'Moga', 'Muktsar', 'Ludhiana', 'Sepahijala',

'Khowai', 'Jalpaiguri', 'Dakshin Dinajpur', 'North 24 Parganas',

'Coochbehar', 'Medinipur(E)', 'Medinipur(W)', 'Madikeri(Kodagu)',

'Navsari', 'Valsad', 'Gurgaon', 'Dhar', 'Khandwa', 'Badwani',

'Sheopur', 'Nagpur', 'Ahmednagar', 'Jalore', 'Sonbhadra',

'Gautam Budh Nagar', 'Ghazipur', 'Rajgarh', 'Dewas', 'Guna',

'Mandsaur', 'Shajapur', 'Sholapur', 'Ratnagiri', 'Bargarh',

'Sonepur', 'Boudh', 'Kendrapara', 'Jagatsinghpur', 'Amritsar',

'West District', 'Nadia', 'Burdwan', 'Bankura', 'Murshidabad',

'Howrah', 'Nowarangpur', 'Morbi', 'Shimla', 'Hyderabad',

'Mahbubnagar', 'Udupi', 'Gajapati', 'Ariyalur', 'Kurnool',

'Kachchh', 'Bhavnagar', 'Surendranagar', 'Gandhinagar',

'Sabarkantha', 'Patan', 'Porbandar', 'Anand', 'Mewat', 'Dindori',

'Hassan', 'Erode', 'Dindigul', 'Coimbatore', 'Madurai', 'Salem',

'Tumkur', 'Karaikal', 'Namakkal', 'Baran', 'Barnala', 'Dharwad',

'Raichur', 'Narayanpur', 'Villupuram', 'Cuddalore', 'Haveri',

'Chitradurga', 'Cuddapah', 'Bellary', 'Shivpuri', 'Amarawati',

'Nanded', 'Dhule', 'Vashim', 'Yavatmal', 'Thiruvannamalai',

'Nalgonda', 'Nagaur', 'Visakhapatnam', 'Bidar', 'Mandya', 'Jalana',

'Jaipur', 'Khargone', 'Latur', 'Beed', 'Parbhani', 'Osmanabad',

'Raigad', 'Nandurbar', 'Sangli', 'Thane', 'Bhilwara', 'Dhubri',

'Uttar Dinajpur', 'Malda', 'Damoh', 'Mahasamund', 'Kanker',

'Dhamtari', 'Raigarh', 'Dantewada', 'Jashpur', 'Korba', 'Sonitpur',

'Panchmahals', 'Belgaum', 'Ratlam', 'Virudhunagar', 'Karimnagar',

'Warangal', 'Ranga Reddy', 'Medak', 'Chittor', 'Alirajpur',

'North Tripura', 'Bhind', 'Swai Madhopur', 'Jhalawar', 'Bharatpur',

'South District', 'Raipur', 'Janjgir', 'Balodabazar',

'Karwar(Uttar Kannad)', 'Balaghat', 'Bhandara', 'Kancheepuram',

'Vellore', 'Thanjavur', 'Nizamabad', 'Khammam', 'Hooghly',

'Singroli', 'Kaushambi', 'Cachar', 'Koppal', 'Wardha', 'Hingoli',

'Akola', 'Dharmapuri', 'Rajasamand', 'Champawat', 'Surguja',

'Koria', 'Surajpur', 'Nawanshahr', 'Shravasti',

'Khiri (Lakhimpur)', 'Gwalior', 'Chandauli', 'Balasore', 'Kohima',

'Deoria', 'Angul', 'Barmer', 'Malkangiri', 'Fatehgarh', 'Gomati',

'Mansa', 'Ropar (Rupnagar)', 'Kalahandi', 'Gadchiroli',

'Sounth 24 Parganas', 'Bhadrak', 'Betul', 'Una', 'Unokoti',

'Ashoknagar', 'Rewa', 'Jharsuguda', 'Gulbarga', 'Kangra(Jassour)',

'Pratapgarh', 'Chamrajnagar', 'Vidisha', 'Kathua', 'Udhampur',

'Bijapur', 'Lohardaga', 'Hoshangabad', 'Kabirdham', 'Jaisalmer',

'Anantnag', 'Dhalai', 'Jodhpur', 'Bikaner', 'Garhwa', 'Longleng',

'Pali', 'Rajouri', 'Jhunjunu', 'Botad', 'Rayagada', 'Tikamgarh',

'Morena', 'Mandla', 'Sehore', 'Anupur', 'Rewari', 'Jabalpur',

'Satna', 'Kondagaon', 'Mungeli', 'Guntur', 'Bastar', 'Kiphire',

'Alwar', 'Datia', 'Sambalpur', 'West Godavari', 'Balod', 'Gondiya',

'Pathankot', 'Shehdol', 'Wokha', 'Thiruvarur', 'East Godavari',

'Churu', 'Hailakandi', 'Goalpara', 'Chandel', 'Karimganj',

'Nongpoh (R-Bhoi)', 'Sivaganga', 'Adilabad', 'Raisen', 'Jhajar',

'Puri', 'Pondicherry', 'Keonjhar', 'East Jaintia Hills',

'North Goa', 'Ramanathapuram', 'Barpeta', 'Giridih', 'Seoni',

'Aizawl']