

Full Stack Development 2

1. Professional programmer survey :-

Nowadays programming is an essential skill to all engineers of all fields because it gives us the power to communicate with computers (digital machines). It enables you to do your work more effectively and efficiently. Develop a web application to take the survey of professional programmers. You need to include the following fields.

Fields :-

- i. Timestamp: Auto-generated
- ii. Name
- iii. Gender: Female/Male/Transgender
- iv. Age
- v. Including any education, for how many years have you been coding?.
- vi. Which industry does he/she work in ?
- vii. Contribute to open source projects ?
- viii. What version control systems do you use regularly ?
- ix. Tools your company uses for development ? (OS, Database, Cloud, main language).
- x. How many hours do you still study ?

Example - Entry

Field i	Field ii	Field iii	Field iv	Field v	Field vi	Field vii	Field viii	Field ix	Field x
auto Generated timestamp	Vivek Rajpoot	male	25	Gradua te	12	yes	Git / compa ny's own	Cloud, java, spring boot	3-4 hours

2. Police survey :-

The compelling idea of SMART policing has the potential to be a powerful tool in police reform and modernization. We in the IPF strongly believe that a professionally efficient and people-friendly, accountable police force that always upholds the rule of law, is an essential prerequisite for India's economic and social development. Realization of this vision can be one powerful means to transform the Indian Police to not only meet the expectations of the people but also to empower and confer due recognition for the services of every policewoman and policeman in the country. Let's Assume you want to know how well Indian police are working. Create an online survey website & ask the following questions to the people of India. Then based on the data you receive, you can analyse the police system in India.

Fields :-

- i. Timestamp
- ii. Name
- iii. Gender: Female/Male/Transgender
- iv. Age
- v. Educational Profile of Participants
- vi. Demographic Profile of survey respondents
- vii. visit the police station or not ?
- viii. What he/she thinks about how well police respond when someone goes to register an FIR. (very good, good, average, bad, very bad).
- ix. How much time police reach when he/she dials the 100. (in minutes)
- x. Police in your area are corrupt or not. ((Extremely corrupted , corrupted but not too much, not corrupted,).

Example - Entry

Field i	Field ii	Field iii	Field iv	Field v	Field vi	Field vii	Field viii	Field ix	Field x
auto Generated timestamp	Vivek Rajpoot	male	25	graduate	Bhopal, Madhya Pradesh, India	yes	bad	45-60 minutes	corrupted but not too much

3. Climate Change Survey :-

In the current scenario, climate change is perceived as the most serious danger facing the society, while poverty presents to be the second biggest threat. Climate change is a change in average weather conditions. This can be extreme weather or disasters, temperature rise, etc. During a recent study, a poll was taken to understand climate change awareness. Through this study, it was seen that over 40% of the population around the world have never heard about climate change, and this percentage is even more in developing countries. However, climate change awareness is decreasing over the last few years in some countries. It's not because people are not concerned anymore, it's just that there have been some other topics which have become more important. Develop a web based application to understand the current mindset of people to climate change.

Fields :-

- i. Timestamp
- ii. Age
- iii. Highest Education Achieved
- iv. Country
- v. How important is the issue of climate change to you personally?
- vi. Why is it important to you? (paragraph)
- vii. What do you think causes climate change? (List of values)
- viii. What impacts, if any, do you think climate change may have?
- ix. Who do you think should have the main responsibility for tackling climate change?
(International organisations (e.g. the UN)"
" The national government"
" Local government"
" Business and industry:
" Environmental organisations/ lobby groups
(e.g. Worldwide Fund for Nature)"
" Individuals")
- x. Have you ever taken, or do you regularly take, any action out of concern for climate change? (if yes what did you do/ are you doing?) (paragraph)

Example - Entry

Field i	Field ii	Field iii	Field iv	Field v	Field vi	Field vii	Field viii	Field ix	Field x
auto Generated timestamp	23	undergraduate	India (make this field as drop down)	not serious but need some precautions	I am a farmer and climate is directly related to Agriculture	big factories, too much population	extreme weather make difficult to live in big cities	Individuals (make checkbox field)	Yes, I do not promote cutting trees.

4. Poverty :-

Is the state of having little material possessions or income. Poverty can have diverse social, economic, and political, causes and effects. When evaluating poverty in statistics or economics there are two main measures: absolute poverty measures compare income against the amount needed to meet basic personal needs, such as food, clothing and shelter. Relative Poverty measures when a person cannot meet a minimum level of living standard, compared to others in the same time and place. Thus *relative poverty* is defined varies from one country to another, or from one society to another. Create a web application to check the status of poverty in India. Collect the following details:

Fields :-

- i. Timestamp
- ii. District
- iii. State
- iv. Age Group: 0-14/15-29/30-44/45-59/60+
- v. Education Status: No education/Middle/Secondary/Hr. Secondary/Diploma/Graduate/Post Graduate and above
- vi. Over the last 10 years, do you think that poverty in India has been increasing, decreasing or staying about the same? (Increasing, Decreasing, Staying about the same, Don't know, Refusal/NA)
- vii. Have you ever been disconnected or used less than you needed to in relation to water, gas, electricity, the telephone or other things = because you couldn't afford it?
- viii. Have there been times in the past year when you've felt isolated and cut off from society, or depressed, because of lack of money ? (Isolated, Depressed).
- ix. Looking back over your life, how often have there been times in your life when you think you have lived in poverty by the standards of that time? (Never , Rarely, Occasionally, Often, Most of the time).

Example - Entry

Field i	Field ii	Field iii	Field iv	Field v	Field vi	Field vii	Field viii	Field ix
auto Generate d timestamp	Bhopal	Madhya Pradesh	15-29	Graduate	decreasing	yes, internet	no	Occasionally

5. Gaming Industry in India :-

The size of India's mobile gaming market is set to treble in the next four to five year, a recent report has said, In India currently 500-million Gamers between the ages of 15-35.

The country is already the world's largest mobile gaming market in terms of app downloads, according to Sensor Tower Data, contributing up to 12% of the world's total gaming market.

India's mobile gaming market will be worth \$6-7 billion in 2025 from \$1.8 billion at present, according to the report titled "Building up the e-gaming ecosystem of India and influence of smart phones ". so don't worry you don't have to make the game. You just need to make the survey form for gamers according to the following fields so this data can be useful for some gaming companies.

Fields :-

- i. Timestamp
- ii. Name
- iii. gender (male/female/other)
- iv. Age
- v. Which device he/she uses to play a game: Laptop, Mobile or both.
- vi. What kind of game he/she loves or plays : Hyper casual, Fighting, Strategy : ex-chess, cards, racing, outdoor sport games digitally.
- vii. How much time(in hours) you play the games per day.
- viii. what is your current profile : Student, working professional , other
- ix. Why you play games : you have too much time don't know what to do, for relaxation,
I just love games, for youtube live streaming.
- x. You play games regularly or occasionally.

Example - Entry

Field i	Field ii	Field iii	Field iv	Field v	Field vi	Field vii	Field viii	Field ix	Field x
auto Generated timestamp	Larry Fink	male	25	both	Hyper casual	3-4 hours	student	I just love games	regularly.

6. Public Perception about big tech companies :-

As we know, the big tech companies include Google, Microsoft, Apple, Facebook, Netflix. Fortunately or unfortunately all these companies are american. About half of Americans (47%) say major tech companies should be regulated by the government more than they are now. Another 39% say these companies should be regulated the same as they are now, while just 11% say these firms should be regulated less, according to a center survey conducted in june 2020.

so now you also want to conduct the survey in india for that you want to create the website which contents following questions to ask from the public.

Fields :-

- i. Timestamp
- ii. Name
- iii. gender (male/female/other)
- iv. Age
- v. education profile.
- vi. What do you think about these big companies working ethically, unethically or inbetween?
- vii. These companies change the public perception when they are required. (yes, no)
- viii. They should be regulated more than they are now. (yes/no)
- ix. You are worried about the increasing power of these companies.
- x. Which company you think is good and which one is bad.

Example - Entry

Field i	Field ii	Field iii	Field iv	Field v	Field vi	Field vii	Field viii	Field ix	Field x
auto Generated timestamp	Larry Fink	male	25	Graduat e	inbetw een	yes	yes	not too much	google, facebook

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- viii. They should be regulated more than they are now. (yes/no)
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- x. Which company you think is good and which one is bad.

Example - Entry

Field i	Field ii	Field iii	Field iv	Field v	Field vi	Field vii	Field viii	Field ix	Field x
auto Generated timestamp	Larry Fink	male	25	graduate	inbetw een	yes	yes	not too much	google, facebook

8. Cloud Computing survey :-

As organizations continue to realize benefits from cloud computing, there is no question that cloud tools and solutions are here to stay. IDG's 2020 Cloud computing research measures cloud computing trends among technology decision-makers including their current and future plans when it comes to migrating applications/workloads to the cloud, investments and business drivers. The results this year show that 81% of organizations have at least one application or portion of their computing infrastructure in the cloud, which is up from 73% in 2018.

But here the question is not what is cloud and what is the future of cloud but rather you have to create the website for survey about cloud technology of course your responded to this survey must be cloud professional. Go ahead and make the following field in the survey.

Fields :-

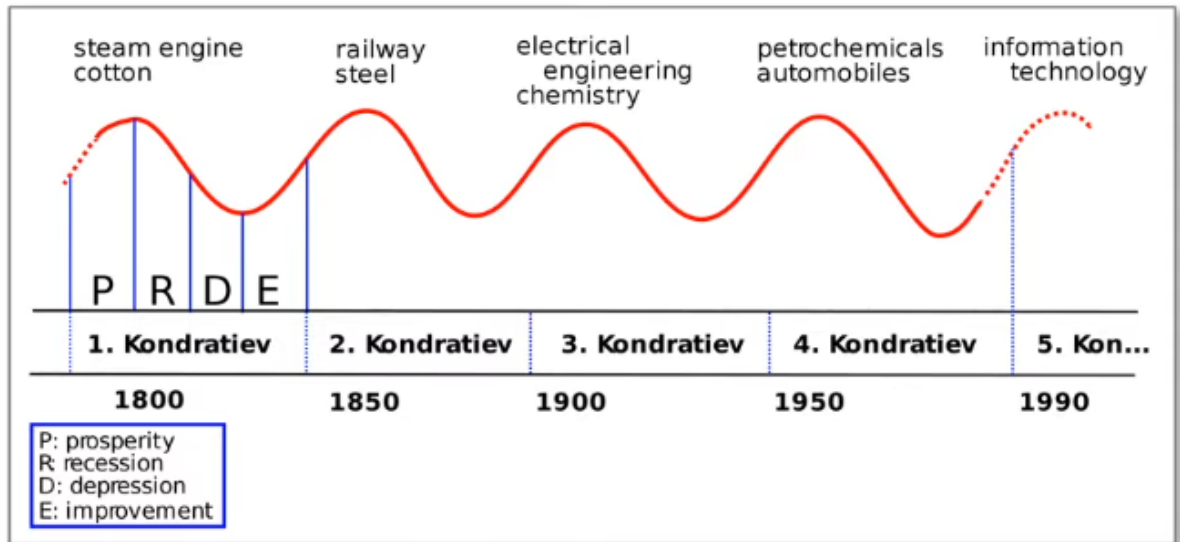
- i. Timestamp
- ii. Name
- iii. Age
- iv. Education profile.
- v. Experience in the cloud computing industry (in years).
- vi. According to you, what are the three major benefits of cloud infrastructure compared to on premise(private servers). (three string fields)
- vii. Which Service is mostly used by the different companies SaaS, PaaS, IaaS.
- viii. In future all the applications run in the cloud infrastructure ? except some Government and Banks or where data is more critical. (yes/no)
- ix. Cloud provides more security to your application then on-premise. (yes/no)
- x. Which company will remain the market leader among all the cloud providers ?

Example - Entry

Field i	Field ii	Field iii	Field iv	Field v	Field vi	Field vii	Field viii	Field ix	Field x
auto Generated timestamp	Larry Fink	20	PhD	5 years	cost effectiv e, easy scalable ,reliable	PaaS	yes	yes	Azure (microsoft)

9. Innovations waves :-

Kondratiev waves(also known as Innovation waves) are hypothesized cycle-like phenomena in the global world economy. The phenomenon is closely connected with Technology life cycles. Each wave irreversibly changes society on global scale.



Let us assume that the current wave is the Information technology wave so you have to make the survey about this wave only which contains the question about its future and impact on the society. so please create the following fields in our survey website.

Fields :-

- i. Timestamp
- ii. Name
- iii. Gender
- iv. Age
- v. Country
- vi. Education profile.
- vii. According to You, in which phase is the IT industry ? (Developing, Boom, depression, recession, improvements)
- viii. What is the next big tech in the IT industry ? (Cloud computing, AI, Block Chain etc).
- ix. Till which year do you think IT is fully developed means saturation point comes ? when there is not much scope for development.
- x. Which decade do you think is the most important for the IT industry? (1970-1980, 1980-1990, 1990-2000, 2000-2010, 2010-2020, or it is coming).

Example - Entry

Field i	Field ii	Field iii	Field iv	Field v	Field vi	Field vii	Field viii	Field ix	Field x
auto Generated timestamp	Larry Fink	male	30	USA	PhD	Boom	AI	2050	2000-2010

10. Crypto currency :-

A **cryptocurrency**, **crypto-currency**, or **crypto** is a collection of binary data which is designed to work as a medium of exchange. Individual coin ownership records are stored in a ledger, which is a computerized database using strong cryptography to secure transaction records, to control the creation of additional coins, and to verify the transfer of coin ownership.¹ Cryptocurrencies are generally fiat currencies, as they are not backed by or convertible into a commodity. Some crypto schemes use validators to maintain the cryptocurrency. In a proof-of-stake model, owners put up their tokens as collateral. In return, they get authority over the token in proportion to the amount they stake. Generally, these token stakers get additional ownership in the token over time via network fees, newly minted tokens or other such reward mechanisms.

You need to make a website which contains the survey form with the following fields.

Fields :-

- i. Timestamp
- ii. Name
- iii. Age
- iv. Education profile.
- v. Country
- vi. What do you think about bitcoin? Is it real or fake? (fake, real)
- vii. You invest in crypto or not. (yes/no)
- viii. You understand the underlying technology of crypto. (not at all, somewhat, knows everything)
- ix. Can crypto replace the traditional currency ? (yes/no)

Example - Entry

Field i	Field ii	Field iii	Field iv	Field v	Field vi	Field vii	Field viii	Field ix
auto Generated timestamp	Larry Fink	20	PhD	India	fake	no	no	no

11. National Education Policy survey :-

India completed one year of the national education policy 2020 on July 29. The policy was revised after 34 years to meet the changing needs of Indian and international education standards.

A lot has changed in one year. Curricula have been tweaked in schools to include subjects such as financial literacy and artificial intelligence.

When it comes to the medium of instruction in schools and colleges, the mother tongue or a regional language has been introduced on a pilot basis. This applies even to engineering courses and a few institutes have been chosen to implement this initiative in the 2021-22 academic year. As per the response this education policy has a very positive impact on the education of India. but still you want to take the broader point of view.

So you just need to create a website which contains the survey form to check how students and academic people are satisfied with this policy.

Fields :-

- i. Timestamp
- ii. Name
- iii. Age
- iv. Education profile.
- v. You are at which profile. (student/teachers).
- vi. According to the policy, primary education should be in regional language. Is it a good decision or bad?(good/bad).
- vii. "10+2" structure is replaced with the "5+3+3+4" (Foundational, preparatory, middle, secondary stages) model. How satisfied with this decision? (good, average, worst)
- viii. There is a provision that in some institutes higher education is also given in regional language. What do you think is implementable or not? (not, yes can be implemented).
- ix. There is one point in NSE that students learn languages more quickly in age between 2-8 so children will be immersed in three languages early on, from the Foundational Stage. how satisfied you are with this point.
- x. what is overall rating to this policy on scale of 1-10 (1== poor, 10 very good)

Example - Entry

Field i	Field ii	Field iii	Field iv	Field v	Field vi	Field vii	Field viii	Field ix	Field x
auto Generated timestamp	Larry Fink	30	graduate	teacher	good	average	not implementable	extremely satisfied	10

12. Renewable energy and government efforts to promote it :-

The launch of the International Solar Alliance (ISA) was announced by H.E. Mr. Narendra Modi, the Hon'ble Prime Minister of India and H.E. Mr. Francois Hollande, former Hon'ble President of France on 30th November 2015, at the 21st session of United Nations Climate Change Conference of the Parties (COP-21) in Paris, France. Former UN Secretary-General Ban Ki-moon attended the launch, alongside the Heads of about 120 nations who affirmed their participation in the Alliance to dedicate efforts for promotion of solar energy.

Government of India and the world is serious about the alternative to current energy resources one very good alternative is Renewable energy which is also eco-friendly and can fulfill the requirements of humans for the long term.

Now you have created a website for taking surveys of people of India about what they think about this effort of the Government of India.

Fields :-

- i. Timestamp
- ii. Name
- iii. Gender
- iv. Age
- v. Education profile.
- vi. From which year you think India's 50% energy requirement is satisfied by renewable energy.
- vii. What are the major difficulties in replacing fossil fuels with Renewable Energy? { "Financial", "Storage problem", "Thermodynamic", "Political", "Dependence on fossil fuels" }
- viii. Which form of Renewable Energy from which is Most Likely to be Successful ? { "Large Scale Wind Farms", "Large Scale Hydro Plants", "Large Scale Solar PV Arrays", "Large Scale Ocean Wave/Tide Plants", "Large Scale Geothermal Plants", "Small Scale Distributed Solar PV", "Small Scale Distributed Wind Turbines", "No Option of Renewable Energy can make a difference" }
- ix. Till when we run out of non-renewable energy. (year)
- x. How satisfied you are with the government of India in this direction. { "Not at all Satisfied," "Partly Satisfied," "Satisfied," "More than Satisfied," "Very Satisfied" }.

Example - Entry

Field i	Field ii	Field iii	Field iv	Field v	Field vi	Field vii	Field viii	Field ix	Field x
auto Generated timestamp	Larry Fink	male	30	phd	2050	Storage problem	Small scale Distributed Solar PV	2100	Satisfied

13. Government of India Disinvestment policy survey :-

Disinvestment in India is a policy of the Government of India, wherein the Government liquidates its assets in the Public sector Enterprises partially or fully. The decision to disinvest is mainly to reduce the fiscal burden and bridge the revenue shortfall of the government. The key engine in achieving growth in India during post-independence was played by Public Sector Enterprises (PSE).

Among other responsibilities of PSE's post-independence, the social and developmental obligations of the nation were most important, which resulted in these units escaping competitive races. Later on the activities of the PSU's were divergent, concentrating towards more non-core areas like hotels and consumer goods among others. Further, the public enterprises were used as tools for political and bureaucratic manipulation; which was consequential in low capacity utilization, reduced productivity, failure to innovate, and complex decision-making processes on vital issues of development.

Current Government doing disinvestment of PSUs on mission mode like air india, LIC, and many other PSUs.

You want to capture the public opinion on this topic so you need to create a website for a survey which contains the following fields.

Fields :-

- i. Timestamp
- ii. Name
- iii. Gender
- iv. Age
- v. Education profile.
- vi. NITI Aayog created a list of strategic sectors { Atomic energy, Space and Defence, Transport and Telecommunication, Power, Petroleum, Coal and other minerals, Banking, Insurance and financial services } How much are you satisfied with this list? { *"Not at all Satisfied," "Partly Satisfied," "Satisfied," "More than Satisfied," "Very Satisfied"* }.
- vii. What do you think about the disinvestment of under performing PSUs? Do you think these PSUs can be revived or disinvestment is the best option. (revive, can not revive).
- viii. What do you think about the disinvestment of Air India ? { *"Not at all Satisfied," "Partly Satisfied," "Satisfied," "More than Satisfied," "Very Satisfied"* }.
- ix. Over all how you rate the disinvestment policy.
{ *"Not at all Satisfied," "Partly Satisfied," "Satisfied," "More than Satisfied," "Very Satisfied"* }.

Example - Entry

Field i	Field ii	Field iii	Field iv	Field v	Field vi	Field vii	Field viii	Field ix
auto Generated timestamp	Larry Fink	male	30	PhD	partly satisfied	can not revive	satisfied	More than satisfied

14. **Public opinion on shri Narendra Modi ji *Mann Ki Baat* :-**

Mann Ki Baat (*Inner Thoughts*) is an Indian radio programme hosted by Prime Minister Narendra Modi in which he addresses the people of the nation on All India Radio, DD National and DD News. Since the first show on 3 October 2014, there have been 82 episodes. The 83rd episode will be aired on 28th November 2021.

The main purpose of the program is to "establish a dialogue with the citizens on issues of day-to-day governance", according to a statement by the Information and Broadcasting Minister in the Rajya Sabha in July 2021. The programme is India's "first visually enriched radio program".

Fields :-

- i. Timestamp
- ii. Name
- iii. gender
- iv. Age
- v. Education profile.
- vi. Address of respondent.
- vii. You listen to ***Mann Ki Baat*** or not. {“not listen any episode”, “listen some episode”, “follow regularly”}
- viii. Are you satisfied with the area covered in “***Mann Ki Baat***”. (yes/no)
- ix. What do you think ? It is a good way to communicate what the government is doing and In which direction their policy is going. { “It is just the publicity of political party and their ideology”, “It is very nice program which give vision, mission and motivation to the common men of India”, “It is very nice way to make governance more transparent”, “Now people of india are more confident in government”}.
- x. Overall How satisfied are you with this program ? { “*Not at all Satisfied*,” “*Partly Satisfied*,” “*Satisfied*,” “*More than Satisfied*,” “*Very Satisfied*” }.

Example - Entry

Field i	Field ii	Field iii	Field iv	Field v	Field vi	Field vii	Field viii	Field ix	Field x
auto Generated timestamp	Larry Fink	male	30	PhD	Bhopal , MP	listen some episode	Yes	It is very nice program which give vision, mission and motivati on to the common men of india	Very Satisfied

15. Ease of doing business in India survey :-

Among the chosen 190 countries, India ranked 63rd in Doing Business 2020: World Bank Report. In 2014, the Government of India launched an ambitious program of regulatory reforms aimed at making it easier to do business in India. The program represents a great deal of effort to create a more business-friendly environment. India was one of the top 10 improvers, for the 3rd time in a row, with an improvement of 67 ranks in 3 years.

India has emerged as one of the most attractive destinations not only for investments but also for doing business. India jumps 79 positions from 142nd (2014) to 63rd (2019) in 'World Bank's Ease of Doing Business Ranking 2020'.

Positive changes have led to this impressive improvement in India's ranking in the EoDB index. India's major achievement is summarised here:

Construction Permits: India's ranking on this parameter has improved from 184 in 2014 to 27 in 2019. This improvement has been mainly on the account of a decrease in the number of procedures and time taken for obtaining construction permits in India.

Getting Electricity: India's ranking on this parameter has improved from 137 in 2014 to 22 in 2019. It takes just 53 days and 4 procedures for a business to get an electricity connection in India.

Apart from these significant improvements, among the 190 economies, India ranks 13th in Protecting Minority Investors and 25th in Getting Credit.⁷

The current World bank reports shows India is on track with respect to governance. you have to make the survey website capture the view of the CEOs of companies what they think include the following question in your survey.

Fields :-

- i. Timestamp
- ii. Name
- iii. Age
- iv. Education profile.
- v. Company Name.
- vi. Type of company ? {like 'finance', "IT", "manufacturing", "pharmaceutical", "supply chain", etc}
- vii. How satisfied are you with the ground level impact of this scheme ? { "*Not at all Satisfied*," "*Partly Satisfied*," "*Satisfied*," "*More than Satisfied*," "*Very Satisfied*" }.
- viii. How will you rate the **Production Linked Incentive Scheme (PLI)** scheme of the Government? { "*very bad*", "*bad*", "*average*", "*good*", "*very good*" }
- ix. How will you rate *Insolvency and Bankruptcy Code* related to this broader vision? { "*Not at all Satisfied*," "*Partly Satisfied*," "*Satisfied*," "*More than Satisfied*," "*Very Satisfied*" }.
- x. How many marks you will give to this scheme out of 10.

Example - Entry

Field i	Field ii	Field iii	Field iv	Field v	Field vi	Field vii	Field viii	Field ix	Field x
auto Generated timestamp	Larry Fink	30	MBA	BlackRock	finance	satisfied	very good	<i>More than Satisfied</i>	10

16. Drug consumption in India survey :-

While psychoactive substance use often tends to be framed as a problem or menace in the public-health or social-welfare discourse, the exact dimensions of substance use in India have not been assessed adequately, so far. A wide variety of entities - policy makers, researchers, service providers, law-enforcing agencies - need reliable and credible estimates of how many people in India use addictive substances and how many of them suffer from substance use disorders.

So you just need to create a website which contains the survey form to check how many people in India consume addictive substances.

Fields :-

- i. Timestamp
- ii. Name
- iii. Age
- iv. Education profile.
- v. Address.
- vi. Which addictive substance people consume more in your area ? { "tambaco", "alcohol", "cigarettes", "other drugs" } .
- vii. What is your estimate ? What percentage of people in your area consume some kind of addictive substance ? (ex- 50%)
- viii. You yourself consume some tambaco , alcohol or cigarettes etc. (yes, no).
- ix. How satisfied are you with the government and other NGOs to educate the adult population of India about the cons of drugs ? { *"Not at all Satisfied," "Partly Satisfied," "Satisfied," "More than Satisfied," "Very Satisfied"* }.
- x. What do you think in future drugs consumption in india increase or decrease? (increase/ decrease)

Example - Entry

Field i	Field ii	Field iii	Field iv	Field v	Field vi	Field vii	Field viii	Field ix	Field x
auto Generated timestamp	Vikas	male	higher secondar y	Bhopal	alcohol	40%	yes	Not at all satisfied	increase

17. Tax payers survey in india :-

Taxes in India are levied by the Central Government and the State Governments by virtue of powers conferred to them from the Constitution of India. Some minor taxes are also levied by the local authorities such as the Municipality.

The authority to levy a tax is derived from the Constitution of India which allocates the power to levy various taxes between the Center and the States. An important restriction on this power is Article 265 of the Constitution which states that "No tax shall be levied or collected except by the authority of law". Therefore, each tax levied or collected has to be backed by an accompanying law, passed either by the Parliament or the State Legislature. Nonetheless, tax evasion is a massive problem in India, ultimately catalyzing various negative effects on the country. In 2019–20, the Direct tax collections reported by CBDT were approximately INR 12.33 trillion.

Currently GDP is introduced so You need to make a website to survey what tax payers of India think about the Taxation system in India.

Fields :-

- i. Timestamp
- ii. Name
- iii. Age
- iv. Education profile.
- v. What is your professional profile ? { "business", "government official ", "Army", "Doctor", "Engineer" etc }.
- vi. What do you Think about GDP? Does it simplify the taxation system in India or not ? { "simplifies", "somewhat", "not at all" }
- vii. Do you pay tax ?
- viii. According to you List out the product or service on which tax is high then what it must be.
- ix. According to you List out the product or service on which tax is low then what it must be.
- x. What is the overall rating to this Tax system in India on the scale of 10. 10->excellent
1->worst

Example - Entry

Field i	Field ii	Field iii	Field iv	Field v	Field vi	Field vii	Field viii	Field ix	Field x
auto Generated timestamp	musk	25	PhD	Doctor	simplifi es	yes	farming machine ry	Nil	10

18. What people think about media in India :-

The Indian media consists of several different types of communications of mass media: television, radio, cinema, newspapers, magazines, and Internet-based Websites/portals. Indian media has been active since the late 18th century. The print media started in India as early as 1780. Radio broadcasting began in 1927. Indian media is among the oldest in the world. It dates back even before the reign of Ashoka. Many of the media are controlled by large corporations, which reap revenue from advertising, subscriptions, and sale of copyrighted material.

As of 31 March 2018, there were over 100,000 publications registered with the Registrar of Newspapers for India. India has the second-largest newspaper market in the world, with daily newspapers reporting a combined circulation of over 240 million copies as of 2018. India has over 1,600 satellite channels (more than 400 are news channels) and is the biggest newspaper market in the world—over 100 million copies sold each day.

Hicky's Bengal Gazette, founded in 1780, was the first Indian newspaper. Auguste and Louis Lumière moving pictures were screened in Bombay during July 1895, and radio broadcasting began in 1927.

Fields :-

- i. Timestamp
- ii. Name
- iii. Gender
- iv. Age
- v. Address
- vi. Education profile.
- vii. Are you satisfied with the content of the media currently delivering? { *"Not at all Satisfied," "Partly Satisfied," "Satisfied," "More than Satisfied," "Very Satisfied"* }.
- viii. According to you List out the media houses which are just working for money and spreading false information and propaganda of political leaders. {ex "R tv", "Aaj tak", "jee news" "all" etc. }
- ix. According to you which media houses must ban immediately.
- x. what is the overall rating to the media scale of 1-10 (1== poor, 10 very good).

Example - Entry

Field i	Field ii	Field iii	Field iv	Field v	Field vi	Field vii	Field viii	Field ix	Field x
auto Generated timestamp	Musk	male	30	USA	PhD	Not at all satisfied	all	all must be banned	1

19. The Insolvency and Bankruptcy Code bill survey :-

The Insolvency and Bankruptcy Code was introduced by the Modi government in the year 2016. The code was brought in order to resolve the bankrupt and insolvent firms and realise the maximum possible value of their stressed assets for its creditors. The resolution is also supposed to be completed in a time-bound manner. National Company Law Tribunal (NCLT) was mandated to initiate the proceedings against the defaulter group and resolve the case in the time limit of 270 days.

You just have to take the survey whether this solves the problems on ground or not. Make the website and take surveys.

Fields :-

- i. Timestamp
- ii. Name
- iii. Gender
- iv. Age
- v. Education profile.
- vi. Address
- vii. How satisfied are you with this bill ? { *“Not at all Satisfied,” “Partly Satisfied,” “Satisfied,” “More than Satisfied,” “Very Satisfied”* }.
- viii. It makes it easy for companies to get out of business if it is not working ? {*“Not at all”, “somewhat ”, “Yes it make easier”*}
- ix. With this law which companies are most benefiting MSME, startups, large companies.
- x. what is overall rating to this policy on scale of 1-10 (1== poor, 10 very good)

Example - Entry

Field i	Field ii	Field iii	Field iv	Field v	Field vi	Field vii	Field viii	Field ix	Field x
auto Generated timestamp	Musk	male	30	PhD	Bhopal	very satisfied	Yes it make easier	MSME	10

20. The Population Control Bill survey :-

The Population Control Bill, 2019 (or, Population Regulation Bill, 2019) is a proposed bill introduced in the Rajya Sabha in July 2019 by Rakesh Sinha. The purpose of the bill is to control the population growth of India. According to the World Population Prospects 2019 report by the United Nations, the population of India is set to overtake that of China within a decade. The proposed bill was signed by 125 Members of Parliament (MP) and is yet to become an act of law.

On 7 February 2020, the Constitution (Amendment) Bill, 2020 was introduced in the Rajya Sabha by Anil Desai, a Shiv Sena MP. Desai proposed to amend the Article 47A of the Constitution of India to state -

The State shall promote small family norms by offering incentives in taxes, employment, education etc. to its people who keep their family limited to two children and shall withdraw every concession from and deprive such incentives to those not adhering to small family norms, to keep the growing population under control.

The 2020 bill proposes to introduce a two-child policy per couple and aims to incentivize its adoption through various measures such as educational benefits, taxation cuts, home loans, free healthcare, and better employment opportunities. The 2019 bill proposed by Sinha talks about introducing penalties for couples not adhering to the two-child policy such as debarment from contesting in elections and ineligibility for government jobs.

Fields :-

- i. Timestamp
- ii. Name
- iii. Gender
- iv. Age
- v. Education profile.
- vi. Address
- vii. How satisfied are you with this bill ? { *“Not at all Satisfied,” “Partly Satisfied,” “Satisfied,” “More than Satisfied,” “Very Satisfied”* }.
- viii. What do you think about the current birth rate of India ? { *“its too high”, “its average”, “low”* }
- ix. In future the population of India will increase or decrease. {*“increase”, “decrease”*}
- x. According to you, will population control be converted into law or not ?

Example - Entry

Field i	Field ii	Field iii	Field iv	Field v	Field vi	Field vii	Field viii	Field ix	Field x
auto Generated timestamp	Musk	male	30	PhD	Bhopal	very satisfied	its too high		yes

21. Mental health survey in India :-

The outbreak of coronavirus disease 2019 (COVID-19) in Wuhan, Hubei province, has led to the quarantine of many residents in their homes, in order to mitigate its spread. Some of these people developed mental health problems, and many solutions have been put in place to address the mental health issues of patients and health professionals affected by the disease. However, not much attention has been given to students, particularly those from medical school.

Make a website for this purpose. contents following fields.

Fields :-

- i. Timestamp
- ii. Name
- iii. Gender
- iv. Age
- v. Education profile.
- vi. Address
- vii. During the past two weeks how often have you felt sad or depressed ? {"Extremely often", "very often", "somewhat often", "Not so often", "Not at all often"}
- viii. According to you, how many percent of people are suffering from some kind of mental health problems.
- ix. According to you, what are the causes of mental health problems?
- x. What is the status of mental health in india. "bad", "good"

Example - Entry

Field i	Field ii	Field iii	Field iv	Field v	Field vi	Field vii	Field viii	Field ix
auto Generated timestamp	Musk	male	30	PhD	Bhopal	Not so often	50	bad

22. Survey Why startup fails :-

According to a survey, 77% of venture capitalists think that Indian startups lack innovation or unique business models. A study conducted by IBM Institute for Business Value found that 91% of startups fail within the first five years and the most common reason is – lack of innovation.

Although India is said to have the third-largest startup ecosystem, it doesn't have meta-level startups such as some of the big names like Google, Facebook, and Twitter. Indian startups are also known for replicating global startups, rather than creating their own startup models.

Among the most innovative Indian startups would be startups like ChaiPoint, Ola, Saathi, and Swiggy, according to a list of 50 most innovative companies in the world.

Make the website to take the survey of manager and industry experts on why startups fail in India.

Fields :-

- i. Timestamp
- ii. Name
- iii. Gender
- iv. Age
- v. Education profile.
- vi. Address
- vii. According to you, what are three main reasons to fail the startup?
- viii. Startups fail due to Lack of innovation. (true/false)
- ix. Startups fail due to Lack of Funds. (true/false)
- x. Startups fail due to leadership gaps.

Example - Entry

Field i	Field ii	Field iii	Field iv	Field v	Field vi	Field vii	Field viii	Field ix
auto Generated timestamp	Musk	male	30	PhD	Bhopal	Not so often	50	bad

23. Quadrilateral Security Dialogue :-

The Quadrilateral Security Dialogue (QSD, also known as the Quad or QUAD) is a strategic dialogue between the United States, India, Japan and Australia that is maintained by talks between member countries. The dialogue was initiated in 2007 by Japanese Prime Minister Shinzo Abe, with the support of U.S. Vice President Dick Cheney, Australian Prime Minister John Howard, and Indian Prime Minister Manmohan Singh. The dialogue was paralleled by joint military exercises of an unprecedented scale, titled Exercise Malabar.

The diplomatic and military arrangement was widely viewed as a response to increased Chinese economic and military power, and the Chinese government responded to the Quadrilateral dialogue by issuing formal diplomatic protests to its members.

You need to take the survey of the people of India so make the website.

Fields :-

- i. Timestamp
- ii. Name
- iii. Gender
- iv. Age
- v. Education profile.
- vi. Address
- vii. From the point of view of India it is a good alliance or bad.
- viii. According to you, Making these kinds of alliances is good in international order.
- ix. Is this to solve the problems of the security concerns of India. (yes/ no)
- x. What is your overall assessment of this initiative?

Example - Entry

Field i	Field ii	Field iii	Field iv	Field v	Field vi	Field vii	Field viii	Field ix	Field
auto Generated timestamp	Musk	male	30	PhD	Bhopal	good	not good	yes	Very good

24. Block Chain and Web 3.0 :-

The new internet will provide a more personal and customized browsing experience, a smarter and more human-like search assistant, and other decentralized benefits that are hoped will help to establish a more equitable web. This will be achieved by empowering each individual user to become a sovereign over their data, and creating a richer overall experience thanks to the myriad of innovations that is to come once it is in place.

When Web 3.0 inevitably arrives — as hard as it is to fathom considering how smart devices have already changed our behavioral patterns — the internet will become exponentially more integrated in our daily lives.

We will see nearly all of today's normally offline machines, from home appliances like ovens, vacuums, and refrigerators to all types of transport become part of the IoT economy, interacting with its autonomous servers and decentralized applications (DApps), advancing new digital realms like blockchain and digital asset to power a myriad of new tech "miracles" for the 21st century.

please make the website to take the views of the industry experts containing the following fields.

Fields :-

- i. Timestamp
- ii. Name
- iii. Gender
- iv. Age
- v. Education profile.
- vi. Address
- vii. Blockchain has the potential to replace the existing frameworks and standards. {"No not at all ", "somewhat but takes the time", "Replace very soon"}
- viii. After how many years are we able to see some significant improvements and development in the block chain ?
- ix. Do you think we already have an ideal system in place? We don't need to change anything.
- x. After all, why do we need a block chain? list out some important points.

Example - Entry

Field i	Field ii	Field iii	Field iv	Field v	Field vi	Field vii	Field viii	Field ix
auto Generated timestamp	Musk	male	30	PhD	Bhopal	Replace very soon	10 years	we need improvements

25. Future of electric vehicles in India :-

It's a glimmer of hope for an industry that has been struggling with a global shortage in semiconductor chips, coming on the heels of a period of sluggish growth.

But it's only a glimmer. Electric vehicle sales - 121,900 this financial year - account for only 1.66% of India's 20 million automobile sales, according to the Delhi-based think tank Council on Energy, Environment and Water (CEEW).

Some electric vehicle firms, especially makers of two-wheelers, are betting big, but the demand is lukewarm for cars and commercial vehicles like lorries. Prime Minister Narendra Modi's government is trying to change that with a \$3.5bn (£2.5bn) scheme to boost manufacturing.

Electric vehicles will also cut emissions as pressure ratchets up for India, the world's third-largest carbon emitter, to set more ambitious climate goals ahead of the COP26 summit in November. The electric alternative is also growing in appeal as global oil prices surge, taking India's fuel import bill to a staggering \$24.7bn.

please make the website to take the views of the industry experts containing the following fields.

Fields :-

- i. Timestamp
- ii. Name
- iii. Gender
- iv. Age
- v. Education profile.
- vi. Address
- vii. According to you, we can also replace the heavy vehicles with electric.
- viii. The concept of electric engines can only be possible in bicycles and cars, is it not for heavy vehicles ?
- ix. Are you satisfied with the efforts of the government in this field?
- x. In how many years electric vehicles became a reality.

Example - Entry

Field i	Field ii	Field iii	Field iv	Field v	Field vi	Field vii	Field viii	Field ix	Field x
auto Generated timestamp	Musk	male	30	PhD	Bhopal	No	yes	yes	15 years

26. The National Health and Nutrition Examination Survey (NHANES) is a program of studies designed to assess the health and nutritional status of adults and children in the United States. Suppose that the you are working in a software company that has got the project to design a web-based application for the survey program organised by NHANES. Develop a web application that should collect the details of following fields: The normal range for the different fields have been given beside for your reference.

- i. Timestamp: Auto-generated
- ii. Name
- iii. Gender: Female/Male/Transgender
- iv. Age
- v. Place of Birth
- vi. Blood pressure(mm/Hg): 120/80 mmHg
- vii. Pulse Rate (BPM): 60 to 100 BPM
- viii. Fasting Blood Sugar level (mg/dL): 72-99 mg/dL
- ix. Haemoglobin (g/dL): For men, 13.5 to 17.5 g/dL. For women, 12.0 to 15.5 g/dL.
- x. Body Mass Index: 18.5—24.9

Field (i)	Field (ii)	Field (iii)	Field (iv)	Field (v)	Field (vi)	Field (vii)	Field (viii)	Field (ix)	Field (x)
(Auto-generated)	James	Male	38	San Francisco	110/70	70	100	17	27

27. Your team has been assigned to a new project of building a web application for collecting the survey data related to farming households in India. Develop a web application to collect the details of the following fields: (List of values under certain fields have been given beside them for your reference).

- i. Timestamp
- ii. Name
- iii. Gender: Female/Male/Transgender
- iv. Age
- v. District
- vi. Number of members in the family
- vii. Primary Occupation
- viii. Secondary Occupation
- ix. Type of farm: Small scale/Medium scale/Large scale
- x. Major type of crop: Food crop/Feed crop/Oil crop/Cash crop

Field (i)	Field (ii)	Field (iii)	Field (iv)	Field (v)	Field (vi)	Field (vii)	Field (viii)	Field (ix)	Field (x)
(Auto-generated)	Shakthi	Male	28	Chittoor	6	Farming	Animal Rearing	Medium scale	Feed crop

28. Suppose you are working with an organization that is interested in exploring the preferences, interests, habits, opinions, and fears of young people in India. The targeted audiences are between the age group of 19 to 29. Develop a web application to collect the following information.

- i. Timestamp
- ii. Age
- iii. Gender: Female/Male/Transgender
- iv. Highest Education Achieved
- v. Locality: Rural/Urban
- vi. Music Preferences
- vii. Movie Preferences
- viii. Hobbies and Interests
- ix. Phobias (if any):
- x. How much hours per day do you spent online?

Field (i)	Field (ii)	Field (iii)	Field (iv)	Field (v)	Field (vi)	Field (vii)	Field (viii)	Field (ix)	Field (x)
(Auto-generated)	19	Female	Higher Secondary	Rural	Melodies	Thriller movies	Poetry writing	Fear of heights	4

29. Suppose you are working alongside National Crime Records Bureau (NCRB), Govt of India to analyse the major reasons for suicide in India. First step for the same would be to collect the data related to suicide from different districts of the country for a time period 2015-2020. You have been asked to create a web application for the same. Information regarding the following fields is to be collected: (List of values under certain field have been given beside them for your reference).

- i. Timestamp
- ii. District
- iii. State
- iv. Year
- v. Gender: Female/Male/Transgender
- vi. Age Group: 0-14/15-29/30-44/45-59/60+
- vii. Education Status: No education/Middle/Secondary/Hr. Secondary/Diploma/Graduate/Post Graduate and above
- viii. Professional Profile: Student/Unemployed/Service (Private)/Service (PSU)/Service (Government)/Self-employed/Housewife/Retired
- ix. Causes: Illness/Poverty/Bankruptcy/Physical Abuse/Dowry dispute/Mental Illness
- x. Number of suicide cases

Field (i)	Field (ii)	Field (iii)	Field (iv)	Field (v)	Field (vi)	Field (vii)	Field (viii)	Field (ix)	Field (x)
(Auto-generated)	Kanya kumari	Tamil Nadu	2019	Male	45-59	Post-Graduate and above	Self-employed	Bankruptcy	3

30. Your college authorities have decided to gather the food choices and preferences of the students to understand the importance of nutrition to students these days. To make the process easier, they have asked the college's technical committee to develop a web application to collect the following information. You are a part of the team and have taken up the task, develop the web application for the same.

- i. Timestamp
- ii. Gender: Female/Male/Transgender
- iii. Comfort food
- iv. Favourite cuisine
- v. Current food habits
- vi. Any change in food habits recently ? If yes, specify.
- vii. How often do you skip breakfast ?
- viii. How much times in a day do you drink coffee ?
- ix. How often do you eat out ?
- x. Ideal diet: What is your idea of ideal diet ?

Field (i)	Field (ii)	Field (iii)	Field (iv)	Field (v)	Field (vi)	Field (vii)	Field (viii)	Field (ix)	Field (x)
(Auto-generated)	Female	Ice cream	Chinese	Trying to eat on time	Have reduced oily food intake	Never	Once every day	Once every 2 weeks	Must have fruits, vegetables and low fat food.

31. Your college authorities have decided to conduct a survey to understand the sleeping habits of the students these days. To make the process easier, they have asked the college's technical committee to develop a web application to collect the following information. You are a part of the team and have taken up the task, develop the web application for the same.

- i. Timestamp
- ii. Gender: Female/Male/Transgender
- iii. Enough: Do you think that you get enough sleep?
- iv. Weekdays Sleep Hours: On average, how many hours of sleep do you get on a weeknight?
- v. Weekend sleep Hours: On average, how many hours of sleep do you get on a weekend night?
- vi. Phone Reach: Do you sleep with your phone within arm's reach?
- vii. Phone Time: Do you use your phone within 30 minutes of falling asleep?
- viii. Tired: On a scale from 1 to 5, how tired are you throughout the day? (1 being not tired, 5 being very tired)
- ix. How many hours before bed do you have your dinner?
- x. Do you typically eat breakfast?

Field (i)	Field (ii)	Field (iii)	Field (iv)	Field (v)	Field (vi)	Field (vii)	Field (viii)	Field (ix)	Field (x)
(Auto-generated)	Male	Not always	6	8	Yes	Yes	4	2	Yes

32. Your company would like to collect a Work-Life Balance survey of all your company employees. It will reflect how well the employees shape their lifestyle, habits and behaviours to maximize their overall life satisfaction. You have been assigned the task of developing the web application to collect the following information.

- i. Timestamp
- ii. Gender: Female/Male/Transgender
- iii. Designation
- iv. How much stress do you typically experience everyday? (1 being less stress, 5 being very stressful)
- v. How many hours do you work daily?
- vi. With how many people do you interact with during a typical day?
- vii. How many steps do you typically walk everyday?
- viii. About how long do you typically sleep?
- ix. How many hours do you spend everyday doing what you are passionate about?
- x. In a typical week, how many times do you have the opportunity to think about yourself?

Field (i)	Field (ii)	Field (iii)	Field (iv)	Field (v)	Field (vi)	Field (vii)	Field (viii)	Field (ix)	Field (x)
(Auto-generated)	Male	Data Scientist	4	9	20	7000	7	1	3

33. Suppose you are working with State Government of Andhra Pradesh to collect information about the schools in the state. Develop a web application to make the survey data collection easier.

Information regarding the following fields needs to be collected:

- i. Timestamp
- ii. School Name
- iii. District
- iv. Total number of pupils on roll
- v. Percentage of girls on roll
- vi. Percentage of boys on roll
- vii. Total Number of Teachers
- viii. Number of Teaching Assistants
- ix. Number of non-Teaching staff
- x. Average Pass Percentage

Field (i)	Field (ii)	Field (iii)	Field (iv)	Field (v)	Field (vi)	Field (vii)	Field (viii)	Field (ix)	Field (x)
(Auto-generated)	GK Higher Secondary School	Chittoor	2500	43	57	90	25	35	88

34. A survey is to be conducted on wherein students of Indian Colleges answer some questions regarding their Employment expectations after graduating. This survey data will help us analyse the opinions regarding employment among the Indian urban youth. Develop a web application to collect the following information:

- i. Timestamp
- ii. College Name
- iii. Gender: Female/Male/Transgender
- iv. Location
- v. Employment Sector: Government Sector/Private Sector/Entrepreneurship
- vi. Employment Background: Technical/Non-Technical/Art
- vii. Degree : are you pursuing a degree that is necessary for your ideal choice of employment? – Yes/No
- viii. Would public dealing be a problem for you? - Yes/No
- ix. Ideal number of work days in a week
- x. Ideal yearly income in rupees

Field (i)	Field (ii)	Field (iii)	Field (iv)	Field (v)	Field (vi)	Field (vii)	Field (viii)	Field (ix)	Field (x)
(Auto-generated)	AVK College	Female	Delhi	Government Sector	Technical	Yes	No	5	700000

35. A survey is planned to be conducted to capture the impact of COVID-19 on children's education, social life and mental health. Develop a web application for the same which should collect the following details:

- i. Timestamp
- ii. Gender: Female/Male/Transgender
- iii. Age
- iv. Location
- v. Time spent on Online Class (in hours)
- vi. Rating of Online Class experience: (1 being the least, 5 is the maximum rating)
- vii. Medium for online class: Smartphone/Tablet/Laptop/Desktop
- viii. Health issue during lockdown
- ix. Stress busters
- x. What you miss the most

Field (i)	Field (ii)	Field (iii)	Field (iv)	Field (v)	Field (vi)	Field (vii)	Field (viii)	Field (ix)	Field (x)
(Auto-generated)	Male	12	Ooty	4	3	Smartphone	Insomnia	Cycling	School

36. Your team has been assigned to a new project to analyse all relevant customer data and develop focused customer retention programs for the coffeehouse company Starbucks. As a first steps, there is a need to collect data from customers for their buying behaviour at Starbucks. Develop a web application to collect the following information.

- i. Timestamp
- ii. Gender: Female/Male/Transgender
- iii. Age: Below 20/20 - 29/30 – 39/ 40 and Above
- iv. Employment Status: Student/Employed/Self-employed
- v. How often do you visit Starbucks?
- vi. How far is the nearest Starbucks's outlet to you?
- vii. On average, how much would you spend at Starbucks per visit?
- viii. How would you rate the quality of Starbucks compared to other brands (Coffee Bean, Old Town White Coffee..) to be: (1 being the least, 5 is the maximum rating)
- ix. How would you rate the service at Starbucks? (Promptness, friendliness, etc..): (1 being the least, 5 is the maximum rating)
- x. Will you continue buying at Starbucks?

Field (i)	Field (ii)	Field (iii)	Field (iv)	Field (v)	Field (vi)	Field (vii)	Field (viii)	Field (ix)	Field (x)
(Auto-generated)	Female	20-29	Employed	Once every week	5km	1000	4	5	Yes

37. The Public Libraries Survey (PLS) is conducted annually by the Institute of Museum and Library Services under the mandate in the Museum and Library Services Act of 2010. The survey is aimed at all public libraries identified by state library administrative agencies in US. This survey should be reported to the administrative entity, defined as the agency that is legally established under local or state law to provide public library service to the population of a local jurisdiction. Develop a web application to collect the following information for the survey.

- i. Timestamp
- ii. State
- iii. Library Name
- iv. Location
- v. Total number of Staffs
- vi. Total number of Registered Users
- vii. Average number of people visiting per week
- viii. Hours open per week
- ix. Total Annual Capital Revenue from all sources (in USD)
- x. Total Annual Capital Expenditures (in USD)

Field (i)	Field (ii)	Field (iii)	Field (iv)	Field (v)	Field (vi)	Field (vii)	Field (viii)	Field (ix)	Field (x)
(Auto-generated)	Ohio	Columbiana Public Library	Columbiana	7	5000	150	56	4000000	3000000

38. The online travel company MakeMyTrip wants to conduct a survey to gather data about choices related to travelling by Indians. Develop a web application for the same to collect the following information.

- i. Timestamp
- ii. Age
- iii. Gender: Female/Male/Transgender
- iv. Employment status: Employed/Unemployed/Student
- v. Current location
- vi. Favourite Tourist Place – India
- vii. Favourite Tourist Place – Abroad
- viii. How do you plan a trip ? - Self/Travel agent
- ix. How often do you travel outstation ?
- x. Rate your experience of using MakemyTrip.com (out of 5).

Field (i)	Field (ii)	Field (iii)	Field (iv)	Field (v)	Field (vi)	Field (vii)	Field (viii)	Field (ix)	Field (x)
(Auto-generated)	26	Female	Employed	Bangalore	Goa	Australia	Self	Once every 2 months	3

39. The UN describes violence against women and girls (VAWG) as: “one of the most widespread, persistent, and devastating human rights violations in our world today. It remains largely unreported due to the impunity, silence, stigma, and shame surrounding it.” Develop a web application to collect survey data on the topic of violence against women and girls, it should include the following details:

- i. Timestamp
- ii. Age
- iii. Country
- iv. Locality: Urban/Rural
- v. Education: No education/Middle/Secondary/Hr. Secondary/Diploma/Graduate/Post Graduate and above
- vi. Marital status
- vii. Employment
- viii. Victim-perpetuator relationship
- ix. What kind of abuse/assault are you facing?
- x. How long did or has the abuse been going on for ?

Field (i)	Field (ii)	Field (iii)	Field (iv)	Field (v)	Field (vi)	Field (vii)	Field (viii)	Field (ix)	Field (x)
(Auto-generated)	24	India	Urban	Graduate	Married	Unemployed	Husband	Physical	2 months

40. A survey is to be conducted to help analyse the salaries of AI engineers in different parts of the world. Develop a web application for the same to collect the following information.

- i. Timestamp
- ii. Gender: Female/Male/Transgender
- iii. Age
- iv. Native Place
- v. Company Name
- vi. Company Location
- vii. Employment type
- viii. Job title
- ix. Experience (in years)
- x. Annual Salary (in USD)

Field (i)	Field (ii)	Field (iii)	Field (iv)	Field (v)	Field (vi)	Field (vii)	Field (viii)	Field (ix)	Field (x)
(Auto-generated)	Female	30	Bangalore	Slash	Singapore	Full time	AI Engineer	5	60,000

41. A survey has to be conducted to assess the awareness of people about Obesity condition. Develop a web application for the same to collect the following details:

- i. Timestamp
- ii. Gender: Female/Male/Transgender
- iii. Age
- iv. Do you try to maintain balance diet ?
- v. How often do you eat junk food at your home or your workplace ?
- vi. Select the weight category you belong to ? Healthy/Underweight/Obese
- vii. How often you eat fruits and salad ?
- viii. How often you take alcoholic beverages ?
- ix. Are you aware that genes play a role in Obesity ?
- x. Specify the medical conditions you have been diagnosed with, if any ? (e.g: Diabetes/Hypothyroidism/PCOD)

Field (i)	Field (ii)	Field (iii)	Field (iv)	Field (v)	Field (vi)	Field (vii)	Field (viii)	Field (ix)	Field (x)
(Auto-generated)	Male	40	Yes	Once every week	Obese	Atleast once everyday	Never	Yes	Diabetes

42. The U. S. Fire Administration tracks and collects information on the causes of on-duty firefighter fatalities that occur in the United States. This data is used to conduct an annual analysis to identify specific problems so that it may be directed for efforts toward finding solutions that will reduce firefighter fatalities in the future. Develop a web application for the same, it must include the following details:

- i. Timestamp
- ii. Name
- iii. Age
- iv. Rank: Firefighter/ Pump Operator/Inspector/ Captain/ First Assistant Chief/ Sergeant/Incident Commander
- v. Date of Incident
- vi. Date of Death
- vii. Cause Of Death
- viii. Nature Of Death
- ix. Duty: Response/On-Scene Fire/Training/ On-Duty
- x. Property Type

Field (i)	Field (ii)	Field (iii)	Field (iv)	Field (v)	Field (vi)	Field (vii)	Field (viii)	Field (ix)	Field (x)
(Auto-generated)	Arjun	33	Firefighter	20-Oct-2018	22-Oct-2018	Exposure	Burns	Response	Outdoor Property

43. The NYS Department of Environmental Conservation (DEC) collects and maintains information on the locations, distribution and status of species of plants and animals. Develop a web application to make the data collection process easier. It should include the following details:

- i. Timestamp
- ii. Location
- iii. Category
- iv. Taxonomic Group
- v. Taxonomic Subgroup
- vi. Scientific Name
- vii. Common Name
- viii. Year Last Documented
- ix. Conservation status: Not Evaluated/Data Deficient/Least Concern/Near Threatened/Vulnerable/Endangered/Critically Endangered/Extinct in the Wild/Extinct.
- x. Global Conservation Rank: G1/G2/G3/G4/G5/GX/GH

Field (i)	Field (ii)	Field (iii)	Field (iv)	Field (v)	Field (vi)	Field (vii)	Field (viii)	Field (ix)	Field (x)
(Auto-generated)	Washington	Animal	Amphibians	Frogs and Toads	Lithobates catesbeianus	Bullfrog	1999	G5	Least Concern

44. Develop a web application to analyse what people think about public displays of Religion. It should collect the following information.

- i. Timestamp
- ii. Region
- iii. What is your present religion, if any?
- iv. How often do you pray in public with visible motions (sign of the cross, bowing, prostration etc)
- v. How often do you: Bring up your religion, unprompted, in conversation?
- vi. How often do you: Ask others about their religion, unprompted, in conversation?
- vii. How comfortable do you feel when you: Pray in public with visible motions (sign of the cross, bowing, prostration etc)
- viii. How comfortable do you feel when you: Bring up your religion, unprompted, in conversation?
- ix. How comfortable do you feel when you: Ask others about their religion, unprompted, in conversation?
- x. How comfortable would you be seeing someone who practices a different religion from you?

For the fields iv to vi: A few times per month/Every day/Never/Once a year or less

For the fields vii to x: Extremely comfortable/Somewhat comfortably/Not so comfortable/I don't do this/Not at all comfortable

Field (i)	Field (ii)	Field (iii)	Field (iv)	Field (v)	Field (vi)	Field (vii)	Field (viii)	Field (ix)	Field (x)
(Auto-generated)	Bhopal	Hindu	A few times per month	Once a year or less	Never	Extremely comfortable	I don't do this	Not so comfortable	Extremely comfortable

45. Cybercrime awareness survey is planned to be conducted amongst the nationals of Saudi Arabia.

Develop a web application to collect the following information for the survey.

- i. Timestamp
- ii. Gender: Female/Male/Transgender
- iii. Age
- iv. Education Level: No education/Middle/Secondary/Hr. Secondary/Diploma/Graduate/Post Graduate and above
- v. How often do you use the Internet and Internet-related services? (E.g. Email, WhatsApp, News, YouTube): Once or twice a day / Frequently throughout the day
- vi. How do you keep yourself updated about cybercrime?
- vii. Have you been a victim of cybercrime? (E.g. lost data or email account, device infected with virus or spyware, stole your picture/s or digital device/s).
- viii. If Yes, did you report it? If you didn't report the incident, state the reason/s for not reporting?
- ix. Are you aware of how to report a cybercrime ?
- x. What do you feel about the threat of cybercrimes in the future?

Field (i)	Field (ii)	Field (iii)	Field (iv)	Field (v)	Field (vi)	Field (vii)	Field (viii)	Field (ix)	Field (x)
(Auto-generated)	Male	28	Graduate	Frequently throughout the day	Internet	Yes	Yes, I reported it.	Yes	They will become a more serious issue in the future.

46. Freelancing is becoming a more and more common practice in this day and age because of the simple fact people get to ditch the routinely 9 to 5 schedule. Develop web application to collect following information about freelancers and freelancing.

- i. Timestamp
- ii. Gender: Female/Male/Transgender
- iii. Age
- iv. How long would you say you struggled before your freelance business brought you satisfactory income? (in months)
- v. Freelancing is great, but are there any parts that you miss from your old day job?
- vi. Do you have any collaborators as part of your freelance business?
- vii. How often do you have a disagreement with a client about the price of your work?: Quite often/Occasionally/Very rare
- viii. What type of issues did you experience in the hardest freelance project you've ever done?
- ix. Do your clients have the same skillset as yourself?: Yes, all of them/Yes, some of them/No, none of them
- x. How long have you been freelancing? (in years)

Field (i)	Field (ii)	Field (iii)	Field (iv)	Field (v)	Field (vi)	Field (vii)	Field (viii)	Field (ix)	Field (x)
(Auto-generated)	Female	26	12	Risk-free work life	Yes	Quite often	Deadlines/time management	Yes, some of them.	2

47. Stock markets are vital components of a free-market economy because they enable democratized access to trading and exchange of capital for investors of all kinds. Develop a web application to collect information related to stock market and investments.

- i. Timestamp
- ii. Gender: Female/Male/Transgender
- iii. Age
- iv. What do you think are the best options for investing your money? - Mutual Funds/ Equity Market/ Debentures/ Government Bonds/ Fixed Deposits/ Gold
- v. Do you invest in the Stock Market?
- vi. What are the factors considered by you while investing?
- vii. What is your investment objective?
- viii. How often do you monitor your investment?
- ix. How much return do you expect from any investment instrument?(in percentage)
- x. Your sources of information for investments is:

Field (i)	Field (ii)	Field (iii)	Field (iv)	Field (v)	Field (vi)	Field (vii)	Field (viii)	Field (ix)	Field (x)
(Auto-generated)	Male	39	Gold	Yes	Returns	Savings for future	Weekly	20	Financial Consultants

48. Uncontrollable and persistent anxiety that interferes with your daily life may indicate generalized anxiety disorder (GAD). The National HealthCare department wants to organise an Anxiety survey. Develop a web application to collect the following information.

- i. Timestamp
- ii. Age
- iii. Gender: Female/Male/Transgender
- iv. Employment status
- v. How often do you feel nervous/anxious/on edge?
- vi. How often do you think you over-react to situations?
- vii. How often have you been not being able to stop or control worrying?
- viii. How often do you feel a complete lack of positive feeling?
- ix. Any addiction like caffeine/smoking/alcohol etc...
- x. Any chronic disease

For fields v to viii – Not at all/to some degree or some time/considerable amount of time/most of the time

Field (i)	Field (ii)	Field (iii)	Field (iv)	Field (v)	Field (vi)	Field (vii)	Field (viii)	Field (ix)	Field (x)
(Auto-generated)	25	Female	Employed	most of the time	considerable amount of time	most of the time	considerable amount of time	Caffeine	health anxiety

49. Education plays a critical role in the development of a child's future and ultimately country's development. School dropout rates must be controlled and analysed to prevent such occurrences in future. Develop a web application to collect the information of school dropout from every school in a locality.

- i. Timestamp
- ii. Location:
- iii. School Name
- iv. Academic year
- v. Total: Total number of children who were out of schools
- vi. Female: % of Female who were out of schools
- vii. Male: % of male who were out of schools
- viii. Rural residence: % of children who were out of school and were residing in Rural area
- ix. Urban residence: % of children who were out of school and were residing in Urban Area
- x. Economically backward: This indicates % of children that fall in the Poorest Wealth quintile

Field (i)	Field (ii)	Field (iii)	Field (iv)	Field (v)	Field (vi)	Field (vii)	Field (viii)	Field (ix)	Field (x)
(Auto-generated)	Darjeeling	GK Primary School	2020	19	40	60	80	20	60

50. Your friend is a psychology student, and wants to collect data on the fears of individuals in the country. This survey would help him collect the necessary data needed for his project. He has requested you to develop a web application to assist in the data collection process. Develop the web application to collect the information given below.

- i. Timestamp
- ii. Gender: Female/Male/Transgender
- iii. Age
- iv. Fear: "What are you most afraid of?"
- v. Cope: "How do you cope with your fear?"
- vi. Impact: "On a scale of 1-10 how much does this fear impact your life?"
- vii. Past: "Is your fear based on a past experience?"
- viii. Encounter: "How often do you encounter your fear?": Everyday/Few times every week/Few times every month/Once or twice in a year
- ix. Overcome: "In your opinion, will you ever be able to overcome your fear?"
- x. Embarrassed: "Are you embarrassed by your fear?"

Field (i)	Field (ii)	Field (iii)	Field (iv)	Field (v)	Field (vi)	Field (vii)	Field (viii)	Field (ix)	Field (x)
(Auto-generated)	Male	22	Being in Large Groups	Soothing self talk	8	Yes	Few times every week	Yes	Yes