

Step-by-Step Guide to Hosting a Static Website on Azure

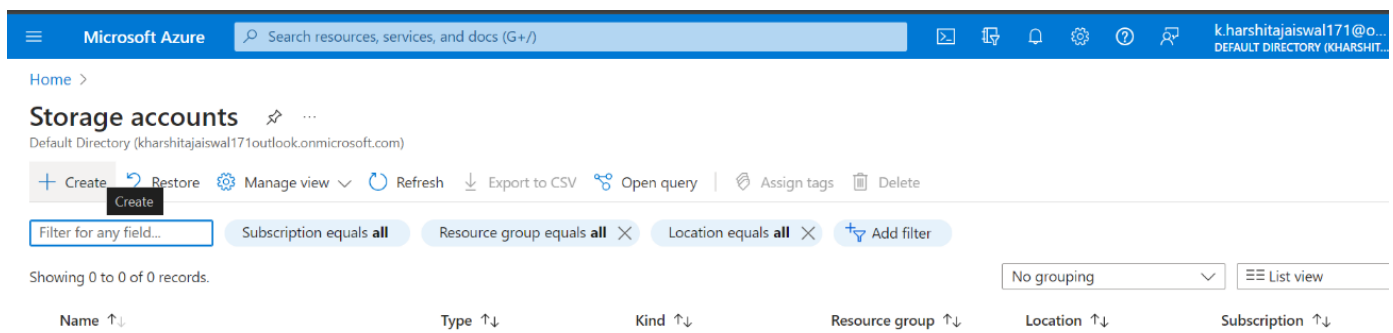
1. Create a static website using Azure Storage Service with the help of required parameters:

- Static website must contain HTML content it includes:
- Table data consisting of 100 Employees Data Like;
- Name of Employee, City, Phone number
- Table borders should be thick

Table of 100 Employee details containing employee name, city and mobile number is created using html, following is the code of HTML document, which I have written in VS code.

Step 1: Log into Azure Portal

- Begin by accessing the Azure portal at <https://portal.azure.com>.
- Enter your credentials to log in. Ensure you have the necessary permissions to create resources within your Azure account.



Step 2: Create a Storage Account

- **Click on the "Create" Option:** In the Azure portal dashboard, locate and click the "Create" button, usually found in the upper-left corner.
- **Fill in the Necessary Details:**
 - **Resource Group:** Select or create a new resource group (e.g., RG2). A resource group is a container that holds related resources for an Azure solution.

- **Storage Account Name:** Enter a globally unique name for your storage account (e.g., staticwebsite171).
- **Redundancy:** Choose the redundancy option (e.g., GRS - Geo-Redundant Storage) from the basic page. This setting ensures your data is replicated across different geographic regions for durability and availability.

The screenshot shows the 'Create a storage account' wizard in the Microsoft Azure portal. The 'Basics' tab is selected. The form includes the following fields and options:

- Storage account name:** staticwebsite171
- Region:** (US) East US
- Performance:** Standard (Selected). Options: Standard: Recommended for most scenarios (general-purpose v2 account), Premium: Recommended for scenarios that require low latency.
- Redundancy:** Geo-redundant storage (GRS). A checkbox 'Make read access to data available in the event of regional unavailability.' is checked.

Navigation buttons at the bottom: Review, < Previous, Next : Advanced >, and a 'Give feedback' link.

Step 3: Configure Advanced Options

- **Allow Anonymous Access:** In the advanced options section, enable anonymous access to individual containers. This allows users to access the contents of your static website without needing authentication.

The screenshot shows the 'Create a storage account' wizard in the Microsoft Azure portal, with the 'Advanced' tab selected. The form includes the following fields and options:

- Require secure transfer for REST API operations:** Checked.
- Allow enabling anonymous access on individual containers:** Checked.
- Enable storage account key access:** Checked.
- Default to Microsoft Entra authorization in the Azure portal:** Unchecked.
- Minimum TLS version:** Version 1.2
- Permitted scope for copy operations (preview):** From any storage account

Navigation buttons at the bottom: Review, < Previous, Next : Networking >, and a 'Give feedback' link.

Step 4: Networking Configuration

- **Enable Public Access:** In the networking section, select the option to allow public access from all networks. This setting ensures that users from anywhere can access your static website without restrictions.

The screenshot shows the 'Create a storage account' page in the Microsoft Azure portal. The 'Networking' tab is selected, showing options for network connectivity. The 'Enable public access from all networks' option is selected. A warning message states: 'Enabling public access from all networks might make this resource available publicly. Unless public access is required, we recommend using a more restricted access type. [Learn more](#)'. At the bottom, there are buttons for 'Review', '< Previous', and 'Next : Data protection >', along with a 'Give feedback' link.

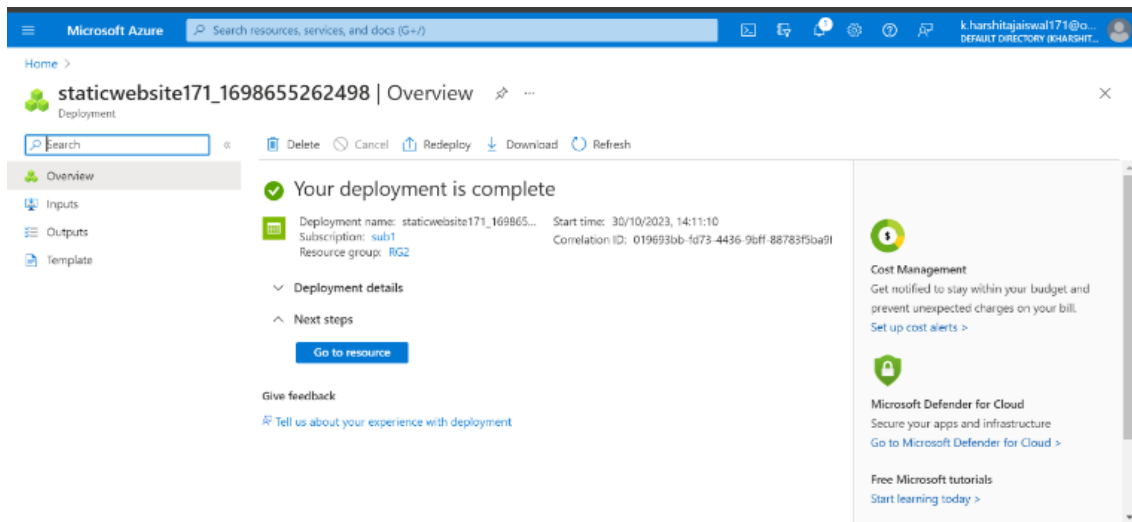
Step 5: Review and Create the Storage Account

The screenshot shows the 'Create a storage account' page in the Microsoft Azure portal, now on the 'Review' tab. It displays a summary of the configuration: Versioning (Disabled), Blob change feed (Disabled), Version-level immutability support (Disabled), Encryption type (Microsoft-managed keys (MMK)), Enable support for customer-managed keys (Blobs and files only), and Enable infrastructure encryption (Disabled). At the bottom, there is a 'Create' button, '< Previous' and 'Next >' buttons, and a link to 'Download a template for automation'. A 'Give feedback' link is also present. The Windows taskbar at the bottom shows the date as 30-10-2023 and the time as 14:10.

- **Review Your Settings:** Carefully review all configurations to ensure accuracy.
- **Create Storage Account:** Click on the "Create" button to initiate the deployment of your storage account, named staticwebsite171.

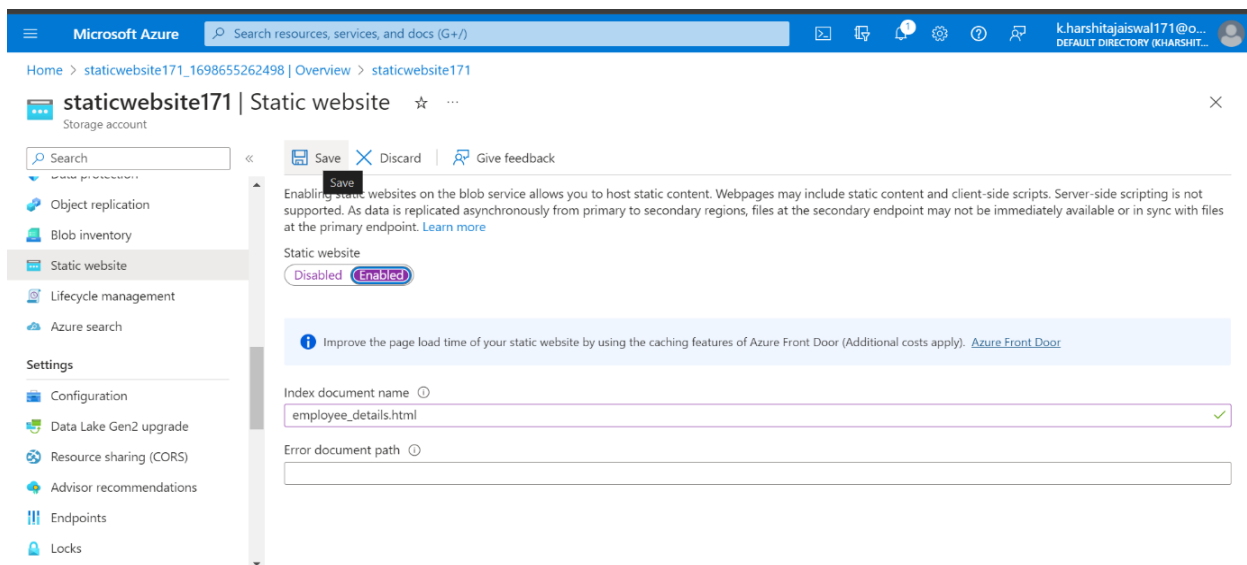
Step 6: Deployment Process

- **Monitor Deployment:** Once you click create, Azure will begin deploying your storage account. You can monitor the progress on the deployment screen.
- **Deployment Completion:** Wait until the deployment status indicates that the process has completed successfully.



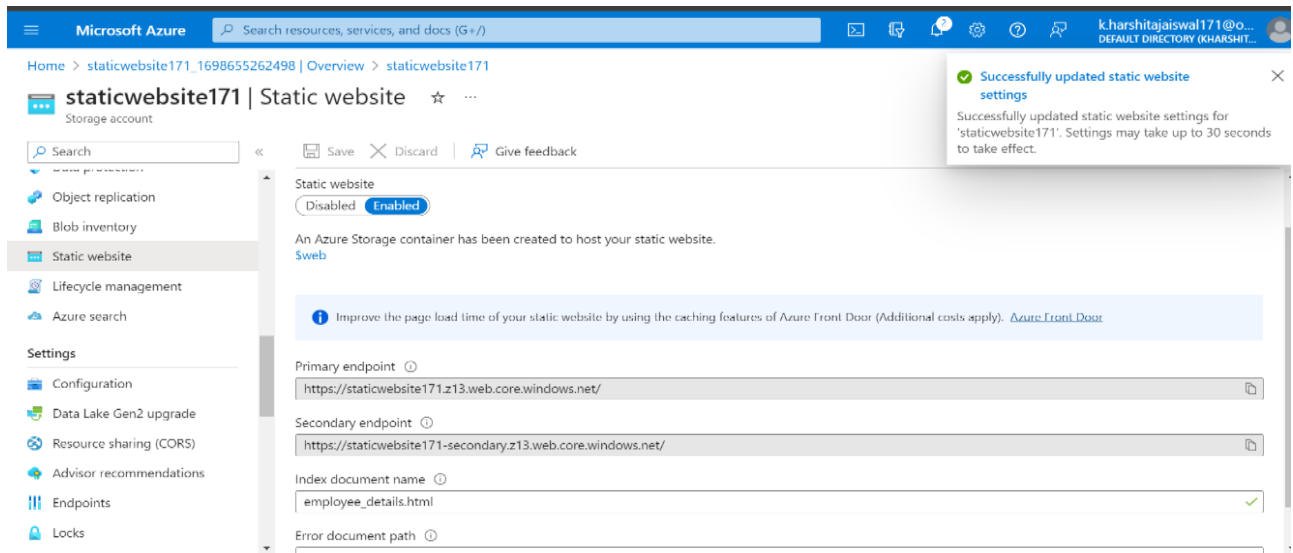
Step 7: Select Static Website Service

- **Access Storage Account:** After the storage account is created, navigate to your newly created storage account (staticwebsite171).
- **Select Static Website Service:** In the storage account menu, find and click on the "Static website" option to access static website configuration settings.



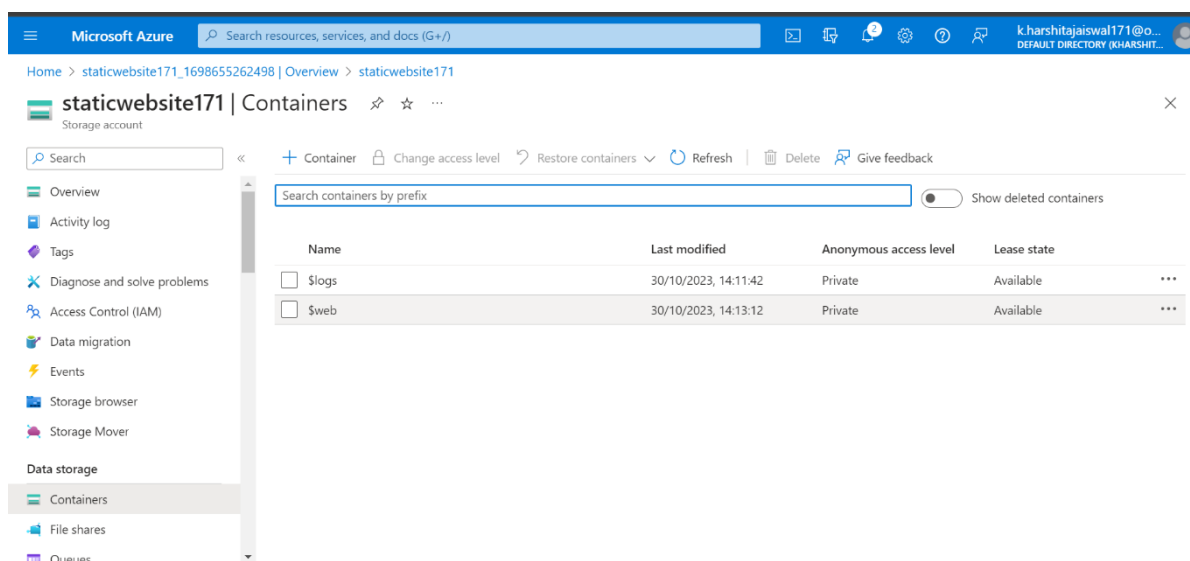
Step 8: Enable Static Website

- **Enable Static Website:** Toggle the option to enable the static website feature.
- **Index Document Name:** In the input field for the index document name, enter `employee_details.html`. This file will serve as the landing page for your static website.



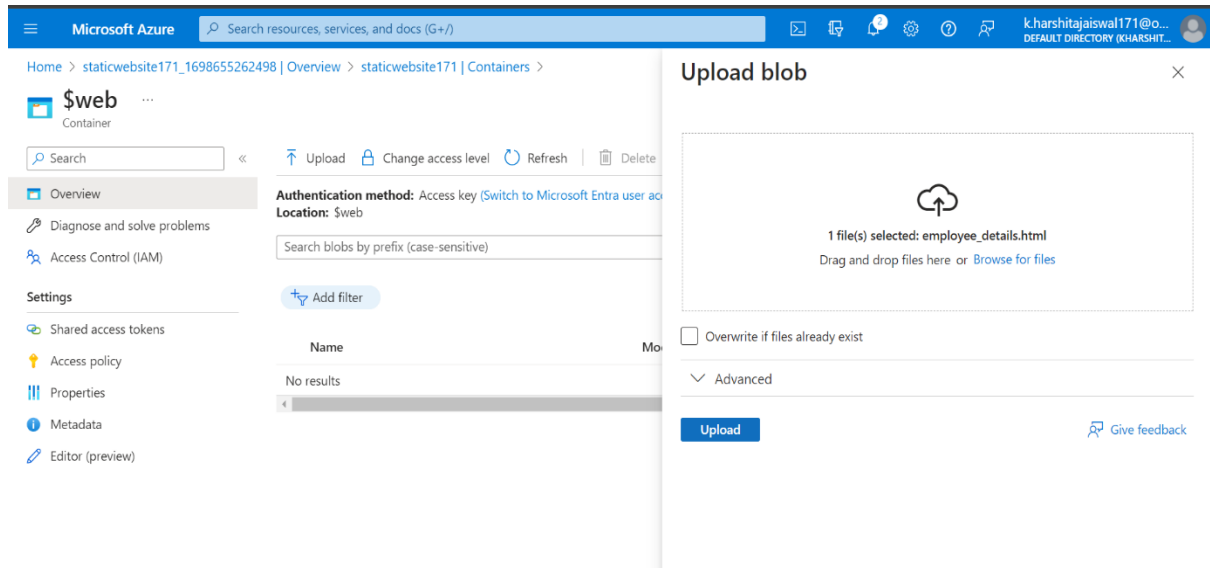
Step 9: Web Container Creation

- **Automatic Container Creation:** Upon enabling the static website feature, Azure will automatically create a container named `web` to store your static files.



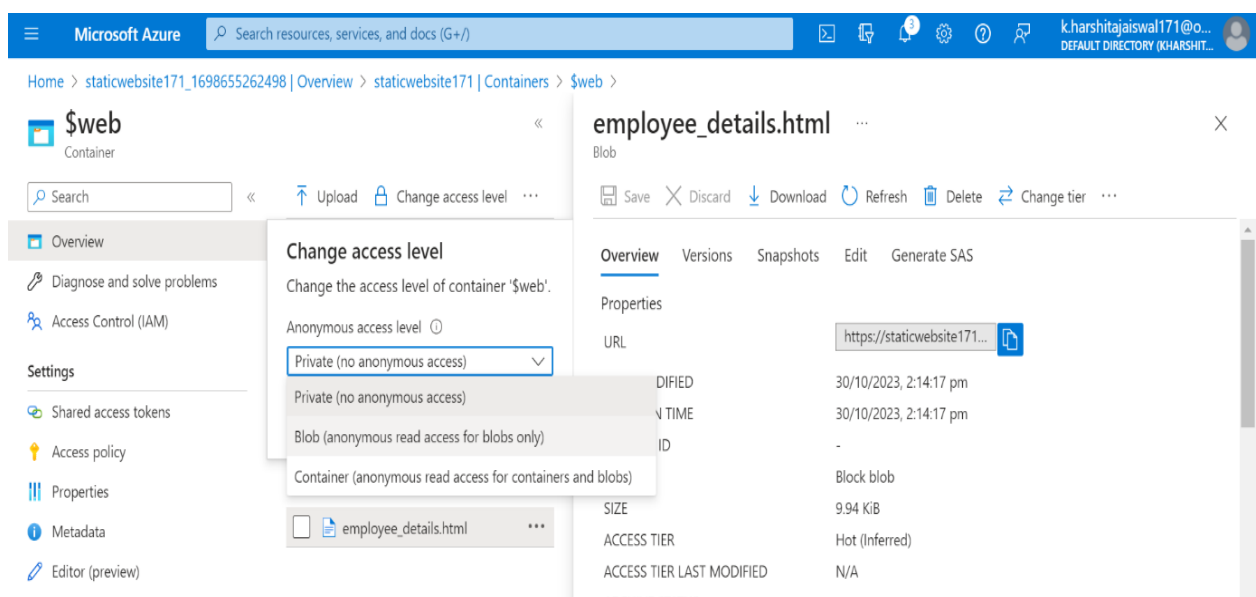
Step 10: Upload HTML File

- **Upload employee_details.html:** Go to the web container and upload your employee_details.html file. This file contains the HTML code you want to serve on your static website.



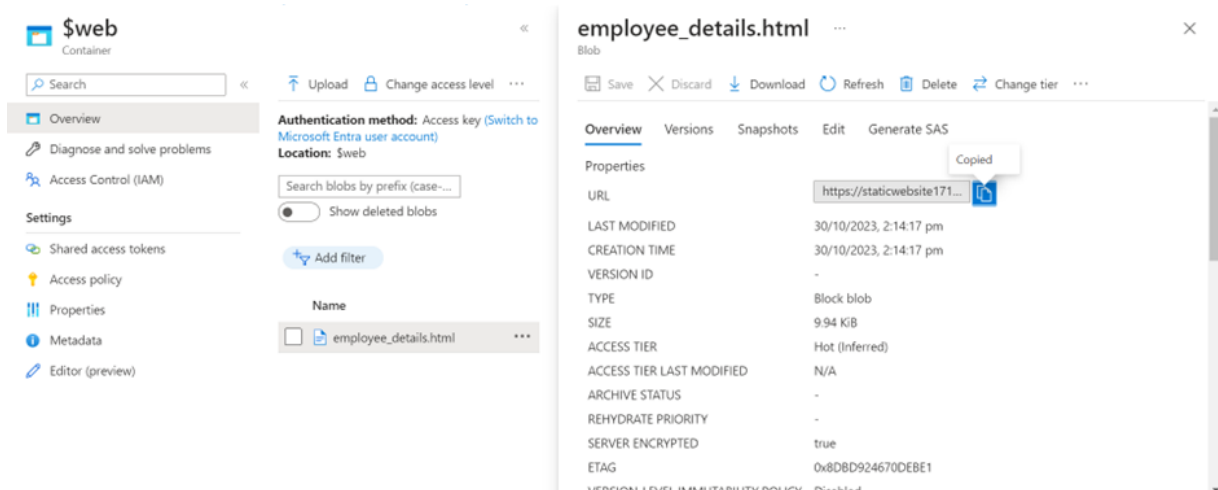
Step 11: Change Access Level

- **Set Public Access Level:** After uploading the file, change the access level of the web container from private to public. This allows users to access the contents of the container directly through their browsers.

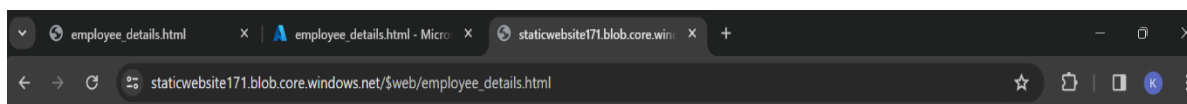


Step 12: Access the Static Website

- **Copy URL:** After configuring the access level, locate the URL of your static website in the static website section.
- **Open in Browser:** Paste the copied URL into your web browser's address bar to view the employee_details.html file and access employee details.



The output of the static website is as follows:



Employee Details

S.NO	Employee Name	City	Mobile Number
1	Jill	Mumbai	5044975231
2	Eve	Mumbai	9439487564
3	John	Mumbai	8294856320
4	David	Mumbai	3446321533
5	Vikky	Mumbai	8956321513
6	Sweta	Mumbai	1256321547
7	Khushi	Mumbai	8906321541
8	Usha	Mumbai	8456321544
9	Kajol	Mumbai	2356321545
10	Rohan	Mumbai	1986321512
11	Priyanka	Pune	3455431987
12	Sweety	Pune	3409871543
13	Smithi	Pune	1289741543
14	William	Pune	9087651543
15	Harshith	Pune	3459093853
16	Dinesh	Pune	2458976543
17	sid	Pune	4987651543
18	Chris	Pune	2416321500
19	Naina	Pune	3456300543
20	Riddy	Pune	3498322543
21	Ramya	Telangana	9987691243
22	Lahari	Telangana	9987691243

22	Prudhvi	Telangana	9912341243
23	Dhruv	Telangana	9123691243
24	Dev	Telangana	9987690987
25	Geeta	Telangana	9987699876
26	Prudhvi	Telangana	9912341243
27	Milly	Telangana	9984561243
28	Riya	Telangana	9980901243
29	Anika	Telangana	9987908243
30	Aparna	Telangana	9912391243
31	Naman	Karnataka	9987693243
32	Nagesh	Karnataka	9937691243
33	Shiva	Karnataka	9987641243
34	Rapunzel	Karnataka	9987291243
35	Mani	Karnataka	9987691143
36	Mihika	Karnataka	9987431243
37	Maira	Karnataka	1209871243
38	Lilly	Karnataka	8765691243
39	Jasmin	Karnataka	9237691243
40	Gimmy	Karnataka	9987698976
41	Vimal	Maharashtra	5935298131
42	Varsha	Maharashtra	5937458323
43	Valmiki	Maharashtra	5012529831
44	Neha	Maharashtra	5009022983
45	Kamala	Maharashtra	5937890020
46	Suma	Maharashtra	5937459083
47	Vasu	Maharashtra	5937486001
48	Shashank	Maharashtra	9517452983

49	Ashvin	Maharashtra	8530452983
50	Purna	Maharashtra	5937458673
51	Greeshma	Asam	6090325481
52	Govind	Asam	1908325481
53	Girija	Asam	8867254812
54	Ganesh	Asam	6099325481
55	Gagan	Asam	9987825481
56	Gopal	Asam	6090059181
57	Guruvitha	Asam	7765325481
58	Greeshma	Asam	8987650980
59	Gamini	Asam	9876988732
60	Jamaal	Asam	6908325481
61	Preethi	Delhi	5894321090
62	Parvathi	Delhi	5894321897
63	Prashanth	Delhi	5894321234
64	Poonam	Delhi	5845321567
65	Priyank	Delhi	5794321897
66	Punitha	Delhi	5594321777
67	Pihu	Delhi	5894321543
68	Pavitra	Delhi	4494321887
69	Pranay	Delhi	2394321455
70	Preetham	Delhi	7794321876
71	Indra	Tamil Nadu	3948756129
72	Imili	Tamil Nadu	8978756129
73	Irvana	Tamil Nadu	3948756876
74	Ishika	Tamil Nadu	5648756129

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staticwebsite171.blob.core.windows.net/\$web/employee_details.html

75	Isra	Tamil Nadu	3948756174
76	Ismail	Tamil Nadu	8848756129
77	Ishitha	Tamil Nadu	3928956129
78	Ikara	Tamil Nadu	3946756187
79	Indu	Tamil Nadu	3958790129
80	Iranitha	Tamil Nadu	3948000129
81	Kirthi	Odisha	8523922112
82	Kiran	Odisha	8523920089
83	Karan	Odisha	2356879821
84	Karishma	Odisha	8098392982
85	Katrina	Odisha	3956729821
86	Karina	Odisha	1523900820
87	Kalam	Odisha	8590919811
88	Karthik	Odisha	8523921898
89	Kedharth	Odisha	9023929821
90	Kanika	Odisha	8876554357
91	Ram	Kerala	2768461203
92	Reema	Kerala	9838461203
93	Ramani	Kerala	7196461203
94	Ramesh	Kerala	2767812113
95	Rakul	Kerala	2908468762
96	Rithvik	Kerala	6578461203
97	Ronith	Kerala	8968121223
98	Rinny	Kerala	2768461213
99	Rishika	Kerala	1987620900
100	Rishikesh	Kerala	2769988710

