

# JSON and Data Manipulation

## Convert JSON Text to JavaScript Object

```
{"name": "Preethi", "age": 25, "city": "Udupi"}
```

Convert to Object

```
{  
  "name": "Preethi",  
  "age": 25,  
  "city": "Udupi"  
}
```

## Convert JSON Date Text to JavaScript Date Object

```
{"date": "2023-10-01"}
```

Convert to Date

```
Date Object: Sun Oct 01 2023 05:30:00 GMT+0530 (India Standard Time)
```

## Convert JSON to CSV and CSV to JSON

```
[{"name": "Preethi", "age": 25, "city": "Udupi"}, {"name": "Ravi", "age": 28, "city": "Mangalore"}, {"name": "Anita", "age": 24, "city": "Bangalore"}]
```

JSON to CSV

```
name,age,city  
Preethi,25,Udupi  
Ravi,28,Mangalore  
Anita,24,Bangalore
```

```
Ravi,28,Mangalore  
Anita,24,Bangalore
```

CSV to JSON

```
[  
  {  
    "name": "Preethi",  
    "age": "25",  
    "city": "Udupi"  
  },  
  {  
    "name": "Ravi",  
    "age": "28",  
    "city": "Mangalore"  
  },  
  {  
    "name": "Anita",  
    "age": "24",  
    "city": "Bangalore"  
  },  
  {  
    "name": ""  
  }  
]
```

## Create Hash from String

Hi Hello

Generate Hash

Hash: 2312d09a09e1222284cb494d73f85ad06b7042f63424c45197939ca919d103dc