**Day-03**

**1.For the given JSON iterate over all for loops (for, for in, for of, forEach)**

**1) JSON iteration using *for loop***

let skills = [

  {

    "name": "Programming languages",

    "level": "Beginner",

    "keywords": ["javascript" ]

  },

  {

    "name": "GIS Softwares",

    "level": "Intermediate",

    "keywords": [ "QGIS","ArcGIS"]

  },

  {

    "name": "Lidar Softwares",

    "level": "Intermediate",

    "keywords": [ "Microstation" ]

  },

  {

    "name": "Surveying Equipment Handling",

    "level": "Intermediate",

    "keywords": [ "Total Station", "DGPS", "RTK-GPS","Drone" ]

  },

{

  "name": "Management Skills",

  "level": "Good",

  "keywords": [ "Self-confidence", "Quick Learning Ability", "Honest & Integrity","Hard Working"]

}

]

for(let i=0;i<skills.length;i++){

   console.log(skills[i].name)

}

Output:

Programming languages

GIS Softwares

Lidar Softwares

Surveying Equipment Handling

Management Skills

**2) JSON iteration using *for...in loop***

let skills = [

  {

    "name": "Programming languages",

    "level": "Beginner",

    "keywords": ["javascript" ]

  },

  {

    "name": "GIS Softwares",

    "level": "Intermediate",

    "keywords": [ "QGIS","ArcGIS"]

  },

  {

    "name": "Lidar Softwares",

    "level": "Intermediate",

    "keywords": [ "Microstation" ]

  },

  {

    "name": "Surveying Equipment Handling",

    "level": "Intermediate",

    "keywords": [ "Total Station", "DGPS", "RTK-GPS","Drone" ]

  },

{

  "name": "Management Skills",

  "level": "Good",

  "keywords": [ "Self-confidence", "Quick Learning Ability", "Honest & Integrity","Hard Working"]

}

]

for(let prop in skills){

  console.log(skills[prop].level)

}

Output:

Beginner

Intermediate

Intermediate

Intermediate

Good

**3) JSON iteration using *for... of loop***

let skills = [

  {

    "name": "Programming languages",

    "level": "Beginner",

    "keywords": ["javascript" ]

  },

  {

    "name": "GIS Softwares",

    "level": "Intermediate",

    "keywords": [ "QGIS","ArcGIS"]

  },

  {

    "name": "Lidar Softwares",

    "level": "Intermediate",

    "keywords": [ "Microstation" ]

  },

  {

    "name": "Surveying Equipment Handling",

    "level": "Intermediate",

    "keywords": [ "Total Station", "DGPS", "RTK-GPS","Drone" ]

  },

{

  "name": "Management Skills",

  "level": "Good",

  "keywords": [ "Self-confidence", "Quick Learning Ability", "Honest & Integrity","Hard Working"]

}

]

for(let elements of skills){

  console.log(elements.name)

}

Output:

Programming languages

GIS Softwares

Lidar Softwares

Surveying Equipment Handling

Management Skills

**4) JSON iteration using *for each loop***

let skills = [

  {

    "name": "Programming languages",

    "level": "Beginner",

    "keywords": ["javascript" ]

  },

  {

    "name": "GIS Softwares",

    "level": "Intermediate",

    "keywords": [ "QGIS","ArcGIS"]

  },

  {

    "name": "Lidar Softwares",

    "level": "Intermediate",

    "keywords": [ "Microstation" ]

  },

  {

    "name": "Surveying Equipment Handling",

    "level": "Intermediate",

    "keywords": [ "Total Station", "DGPS", "RTK-GPS","Drone" ]

  },

{

  "name": "Management Skills",

  "level": "Good",

  "keywords": [ "Self-confidence", "Quick Learning Ability", "Honest & Integrity","Hard Working"]

}

]

skills.forEach(skill => console.log(skill.level))

Output:

Beginner

Intermediate

Intermediate

Intermediate

Good

**2.Create your own resume data in JSON format**

{

  "basics": [

     {

   "name": "S.Sugumar",

   "email": "sugumargeo@gmail.com",

   "contact": "+91 9751015306, 8903705306",

   "degree": "B.E",

   "location": {

     "address": "1/350, Kammalar Street,Koliyanur(PO),Villupuram",

     "postalCode": "605103",

     "city": "Villupuram",

     "State": "TamilNadu",

     "country": "India"

     }

     }

     ],

      "profiles":

      [

     {

       "network": "LinkedIn",

       "username": "Sugumar Srinivasan",

       "url": "www.linkedin.com/in/sugumar-srinivasan-4aa2b015a"

     }

     ],

"workExperience": [

   {

     "company": "Crafty Solutions Pvt Ltd",

     "position": "Junior Lidar Engineer",

     "startDate": "10th May 2019",

     "endDate": "20th March 2020",

     "summary": "As a Junior Lidar Engineer my work is complete the Powerline, Ground Project file with good Quality"

   },

     {

       "company": "Red Networks Telecomm Pvt Ltd",

       "position": "Senior Lidar Engineer",

       "startDate": "10th November 2019",

       "endDate": "25th june 2020",

       "summary": "Aa a Senior Lidar Engineer my work to check the production file"

     },

     {

       "company": "EDR continuous Information Pvt Ltd",

       "position": "GIS Engineer",

       "startDate": "19-07-2021",

       "endDate": "",

       "summary": "As a Quality checker my work to find the errors in the RFDB(Road Feature Datatbase) file and to update to the production team"

     }

   ],

   "Volunteer": [

   {

     "organization": "Karunai Disabled Rehabilitation Trust",

     "position": "Personal Assistant",

     "startDate": "16th march 2015",

     "endDate": ""

   }

 ],

 "education": [

   {

     "institution": "University VOC College of Engineering",

     "area": "Thoothukudi",

     "course": "B.E Geoinformatics",

     "startDate": "20th June 2015",

     "endDate": "14th April 2019",

     "cgpa": "7.32"

   },

   {

     "institution": "Sacred Heart Convent Higher Secondary School",

     "area": "Villupuram",

     "Class": "12th Standard",

     "startDate": "7th May 2014",

     "endDate": "20th March 2015",

     "Marks in percentage": "87%"

   },

   {

     "institution": "The Claribel Matric School",

     "area": "Villupuram",

     "class": "10th Standard",

     "startDate": "20th May 2012",

     "endDate": "15th April 2013",

     "Marks in percentage": "97.2%"

   }

 ],

 "skills": [

   {

     "name": "Programming languages",

     "level": "Beginner",

     "keywords": ["javascript" ]

   },

   {

     "name": "GIS Softwares",

     "level": "Intermediate",

     "keywords": [ "QGIS","ArcGIS"]

   },

   {

     "name": "Lidar Softwares",

     "level": "Intermediate",

     "keywords": [ "Microstation" ]

   },

   {

     "name": "Surveying Equipment Handling",

     "level": "Intermediate",

     "keywords": [ "Total Station", "DGPS", "RTK-GPS","Drone" ]

   },

 {

   "name": "Management Skills",

   "level": "Good",

   "keywords": [ "Self-confidence", "Quick Learning Ability", "Honest & Integrity","Hard Working"]

 }

],

 "languages": [

   {

     "language": "Tamil",

     "Writing fluency": "Good",

     "Speaking": "Good"

   },

   {

     "language": "English",

     "Writing fluency": "Good",

     "Speaking": "Good"

   },

   {

     "language": "Hindi",

     "Writing fluency": "Good",

     "Speaking": "Beginner"

   },

   {

     "language": "Kannada",

     "Writing fluency": "Beginner",

     "Speaking": "Good"

   }

 ],

 "interests": [

   {

     "name": "sports",

     "keywords": ["Cricket", "Silambam", "Kabaddi"  ]

   },

   {

     "name": "Yoga",

     "keywords": ["Pranayamam", "Astanga Yogam"]

   },

   {

     "name": "Reading books",

     "keywords": ["Thirumanthiram", "Sivapuranam" ]

   }

  ]

   }