**Interpolation and data 1**

**MainHome.vue**

<template>

    <h1>Email : {{ email }}</h1>

    <h1>Name : {{ getName(sam) }}</h1>

</template>

<script >

export default {

    name: 'MainHome',

    data() {

        return {

            email: 'sam@gmail.com',

            getName: function (a) {

                return a;

            }

        }

    }

}

</script>

<style scoped>

h1 {

    color: red;

}

</style>

**App.vue 2**

<template>

  <HelloWorld msg="Welcome to Your Vue.js App"/>

  <MainHome />

</template>

<script>

import HelloWorld from './components/HelloWorld.vue'

import MainHome from './components/MainHome.vue'

export default {

  name: 'App',

  components: {

    HelloWorld,

    MainHome,

  }

}

</script>

<style>

</style>

------------------------------------------------------------------

**Methods with Params**

**MainHome.vue**

<template>

    <h1>Email : {{ email }}</h1>

    <!-- <h1>Name : {{ getName() }}</h1> -->

    <h1>Name : {{ getName("sam") }}</h1>

    <h1>All data : {{ getData().email }}</h1>

</template>

<script >

export default { 3

    name: 'MainHome',

    data() {

        return {

            email: 'sam@gmail.com',

}

    },

    methods :{

        getName(name){

            return name;

        },

        getData(){

            return{

                name:'anil',

                // email: 'sam@gmail.com'

                email: this.email

            }

        }

    }

}

</script>

-------------------------------------------------------------------------------------

**Click event**

<template>

 <button v-on:click="getData()">Click me</button>

   <button v-on:dblclick="getData('button 2 clicked')">Click me</button>

   <h2>{{ count }}</h2>

</template>

<script > 4

export default {

    name: 'MainHome',

    data(){

        return{

            count:0

        }

    },

    methods:{

        getData(){

            this.count=this.count+1

        }

          }

}

</script>

**-------------------------------------------------------------------------------------**

**Two way binding**

<template>

    <h1>Two way binding</h1>

    <input type="text" v-model="count">

    <h2>{{ count }}</h2>

</template>

<script>

export default {

    name: "MainHome",

    data(){

return {

    count:0

}

    } 5

}

</script>

**--------------------------------------------------------------------------------------**

**Get input value**

<template>

    <h1>Get input value</h1>

    <input type="text" placeholder="Enter email" v-model="email">

    <br>

    <br>

    <input type="password" placeholder="Enter password" v-model="password">

    <br>

    <br>

    <button v-on:click="getData()" type="button">Get value</button>

</template>

<script >

export default {

    name: 'MainHome',

    data() {

        return {

            email: null,

            password: null

}

    },

    methods: {

        getData() {

            console.warn("values : ", this.email, this.password)

        }

    } 6

}

</script>

<style scoped>

h1 {

    color: red;

}

</style>

**------------------------------------------------------------------------------------------------------------------------**

**Check boxes and radio button values**

<template>

    <h1>Get checkbox and radio button value</h1>

    <label for="java">Java</label>

    <input type="checkbox" value="java" id="java" v-model="technology">

<label for="php">php</label>

    <input type="checkbox" value="php" id="php" v-model="technology">

<label for="node">node</label>

    <input type="checkbox" value="node" id="node" v-model="technology">

<br> <br>

    <h3>who i am</h3>

    <label for="student">student</label>

    <input type="radio" value="student" v-model="who" name="who" id="student">

<label for="developer">student</label>

    <input type="radio" value="developer" v-model="who" name="who" id="developer">

<h4>selected technology : {{ technology }}</h4>

    <h4>i am a : {{ who }}</h4>

</template>

<script>

export default {

    name: "MainHome", 7

    data() {

        return {

            technology: [],

            who: null

        }

    }

}

</script>

-------------------------------------------------------------------------------------

**If else condition**

<template>

  <h1 v-if="show">if condition</h1>

  <h1 v-else>else condition</h1>

  <button v-on:click="show=!show">Toggle</button>

</template>

<script>

export default {

    name: "MainHome",

    data() {

        return {

            show: true

    }

}

}

</script>

# For Loop and List 8

<template>

  <h1>for loop in vue</h1>

  <ul>

    <li v-for="item in technology" :key="item">

      {{ item }}

    </li>

</ul>

  <br>

  <ul>

    <li v-for="item in user" :key="item">

    Name is : {{ item.name }} and Email is : {{ item.email }}

    </li>

  </ul>

</template>

<script>

export default {

  name: "MainHome",

  data() {

    return {

      technology: ['java', 'python', 'vuejs'],

      // array of object

      user:[

        {

        name:'sam',

        email: "sam@gmail.com"

      },

        {

        name:'bruce',

        email: [sam@gmail.com](mailto:sam@gmail.com) 9

      },

        {

        name:'alex',

        email: "sam@gmail.com"

      },

    ]

    }

  }

}

</script>

**----------------------------------------------------------------------------------**

# Pass Data Parent to Child Component

**Parent**

<template>

  <div>

    <h1>Pass data to child component</h1>

    <!-- Bind getData method to be passed as a prop -->

    <MyChild name="sam" :user="user" :get-data="getData" />

  </div>

</template>

<script>

import MyChild from './MyChild.vue';

export default {

  name: "MainHome",

  components: {

    MyChild,

  },

  data() { 10

    return {

      user: { name: 'sam', email: 'sam@gmail.com' },

    };

  },

  methods: {

    getData() {

      console.warn("parent function called");

    },

  },

};

</script>

<style>

/\* Your styles here \*/

</style>

**Child component**

<template>

    <div>

        <h2>{{ name }}</h2>

        <h2>{{ user.name }}</h2>

        <button @click="getData">call function</button>

    </div>

</template>

  <script>

export default {

    name: 'MyChild',

    props: {

        name: String,

        user: Object,

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    getData: Function

    },

}

</script>

**------------------------------------------------------------------**

**HTML BINDING**

<template>

 <h1>{{ text }}</h1>

<div v-html="tag">

 </div>

  </template>

<script>

export default {

  name: "MainHome",

data(){

  return {

    text: "sam",

    tag: "<h1>sam</h1>"

  }

}

};

</script>

<style>

</style>