

S1: Project and Files

```
C:\demo\jsmarch24\L21>npx create-react-app p1_eoapp
C:\demo\jsmarch24\L21> cd p1_eoapp
C:\demo\jsmarch24\L21\p1_eoapp>npm install formik
C:\demo\jsmarch24\L21\p1_eoapp>cd src
C:\demo\jsmarch24\L21\p1_eoapp\src>notepad EvenOdd.js
C:\demo\jsmarch24\L21\p1_eoapp\src>cd..
C:\demo\jsmarch24\L21\p1_eoapp>npm start
```

S2: Coding

EvenOdd.js

```
import { useFormik } from "formik";

export default function EvenOdd()
{
    const initialValues = {"num": ""};

    const validate = (values) => {
        const errors = {};
        if (values.num == "")
            errors.num = "you did not enter integer";
        return errors;
    }

    const onSubmit = (values) => {
        let n = parseInt(values.num);
        let r = n % 2 == 0 ? "even" : "odd";
        alert(r);
    }

    const formik = useFormik({initialValues, validate, onSubmit});
    return(
        <>
        <center>
            <h1> Even Odd App </h1>
            <form onSubmit={formik.handleSubmit}>
                <input type="number" placeholder="enter integer"
                    onChange={formik.handleChange} name="num"/>
                <br/>
                { formik.errors.num ? <div className="err"> { formik.errors.num } </div>: "" }
                <br/><br/>
                <input type="submit" value="Find Even/Odd" />
            </form>
        </center>
        </>
    );
}
```


App.js

```
import logo from './logo.svg';
import './App.css';
import EvenOdd from './EvenOdd';
```

```
function App() {
  return (
    <EvenOdd/>
  );
}
```

```
export default App;
```

App.css

```
*
{
  font-size:3vw;
}
body
{
  background-color:lightblue;
}
.err
{
  color:red;
}
```