PRACTICAL 3
Creating and Rendering a Functional React Component

App.js

```
import './App.css';
import Subscription from './component/Subscription.js';
import { useState, useEffect } from 'react';
import Newsub from './component/NewSub.js';

function App() {
  const subscriptions = [
    {
      id: "1",
      date: new Date(2025, 4, 24),
      title: "Monthly Subscription",
      Amount: "125.60"
    },
    {
      id: "2",
      date: new Date(2025, 7, 24),
      title: "Annual Subscription",
      Amount: "1125.60"
    },
    {
      id: "3",
      date: new Date(2025, 8, 24),
      title: "Quarterly Subscription",
      Amount: "3125.60"
    }
  ];

  return (
    <div className="App">
      <div>
        <Subscription
          passedDate={subscriptions[0].date}
          passedTitle={subscriptions[0].title}
          passedAmount={subscriptions[0].Amount}
        />
        <Subscription
          passedDate={subscriptions[1].date}
          passedTitle={subscriptions[1].title}
          passedAmount={subscriptions[1].Amount}
        />
        <Subscription
          passedDate={subscriptions[2].date}
          passedTitle={subscriptions[2].title}
          passedAmount={subscriptions[2].Amount}
        />
        <Newsub />
      </div>
    </div>
  );
}
export default App;
```

Subscription.js

```
import "./Subscription.css";
import SubDate from "./SubDate";
import { useState } from "react";

function Subscription(props) {
  const [passedTitle, setTitle] = useState(props.passedTitle);

  const onClickHand = () => {
    setTitle("New Title");
    alert("Button clicked!");
  };

  return (
    <div className="subscription">
      <SubDate passedDate={props.passedDate} className="div" />
      <h2 className="Title">{passedTitle}</h2>
      <div className="Amount">{props.passedAmount}</div>
      <button
        type="button"
        className="Title"
        onClick={onClickHand}
      >
        Change Title
      </button>
    </div>
  );
}

export default Subscription;
```

Newsub.js

```
// import './Newsub.css';
import Formsub from './Formsub';

const Newsub = () => {
  return (
    <div className="new_sub">
      <Formsub />
    </div>
  );
};

export default Newsub;
```

Formsub.js

```
import { useState } from 'react';
import './Formsub.css';

const Formsub = () => {
  const [form, setForm] = useState({
    userTitle: '',
    userDate: '',
    userAmount: ''
```

```
  });

  const titleChangeHandler = (event) => {
    setForm((prevState) => ({
      ...prevState,
      userTitle: event.target.value
    }));
    console.log(form);
  };

  const dateChangeHandler = (event) => {
    setForm((prevState) => ({
      ...prevState,
      userDate: event.target.value
    }));
    console.log(form);
  };

  const amountChangeHandler = (event) => {
    setForm((prevState) => ({
      ...prevState,
      userAmount: event.target.value
    }));
    console.log(form);
  };

  const submitHandler = (event) => {
    event.preventDefault();
    const subscription = {
      title: form.userTitle,
      date: new Date(form.userDate),
      amount: form.userAmount
    };
    console.log('Submitted Subscription:', subscription);
  };

  return (
    <form onSubmit={submitHandler}>
      <div className="new_controls">
        <div className="new_control">
          <label>Title</label>
          <input
            type="text"
            value={form.userTitle}
            onChange={titleChangeHandler}
          />
        </div>

        <div className="new_control">
          <label>Date</label>
          <input
            type="date"
            value={form.userDate}
            onChange={dateChangeHandler}
          />
        </div>
```

```jsx
        <div className="new_control">
          <label>Amount</label>
          <input
            type="number"
            value={form.userAmount}
            onChange={amountChangeHandler}
          />
        </div>
      </div>

      <div className="new_action">
        <button type="submit">Add Subscription</button>
      </div>
    </form>
  );
};

export default Formsub;
```


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