

Learner Details

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 - **Batch / Class:** Mern Stack
 - **Assignment:** Friends card
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Problem Solving Activity 1.1

1. Program Statement

To create a simple React application that displays a list of favorite people with their image, name, relation, and hobbies. The interface should be visually organized and responsive using basic inline CSS styling.

2. Algorithm

- Start the React app.
 - Create a functional component App.
 - Inside the component, define a layout with a heading and a container to hold profile cards.
 - Use JSX to render multiple cards, each with:
 - An image
 - Name
 - Relation
 - Hobbies
 - Use inline CSS to style the app with flex layout and card designs.
 - Export the component and run the app in the browser.
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3. Pseudocode

START

Create a component App:

Display heading "My Favourite People"

Create a flex container

For each person:

Display card with:

Image

Name

Relation

Hobbies

Apply inline CSS:

Flex container to wrap cards

Card design with border, padding, colors

END

4. Program Code

```
import React from 'react';
```

```
const App = () => {
```

```
  return (
```

```
    <div style={{ padding: '2rem', fontFamily: 'sans-serif', backgroundColor: '#8ac9fff' }}>
```

```
      <h1 style={{ textAlign: 'center', color: 'fff' }}>My Favourite People</h1>
```

```
      <div style={{
```

```
        display: 'flex',
```

```
        flexWrap: 'wrap',
```

```

gap: '1.5rem',
justifyContent: 'center',
marginTop: '2rem'
}}>
<div style={cardStyle}>
  
  <h2>Aarav</h2>
  <p><strong>Relation:</strong> Best Friend</p>
  <p><strong>Hobbies:</strong></p>
  <p>Gaming</p>
  <p>Coding</p>
</div>

<div style={cardStyle}>
  
  <h2>Priya</h2>
  <p><strong>Relation:</strong> Friend</p>
  <p><strong>Hobbies:</strong></p>
  <p>Reading</p>
  <p>Music</p>
</div>

<div style={cardStyle}>
  
  <h2>Anjali</h2>
  <p><strong>Relation:</strong> Friend</p>
  <p><strong>Hobbies:</strong></p>

```

<p>Dancing</p>

<p>Cooking</p>

</div>

<div style={cardStyle}>

<h2>Ravi</h2>

<p>Relation: Friend</p>

<p>Hobbies:</p>

<p>Photography</p>

<p>Cycling</p>

</div>

<div style={cardStyle}>

<h2>Meena</h2>

<p>Relation: Friend</p>

<p>Hobbies:</p>

<p>Yoga</p>

<p>Gardening</p>

</div>

</div>

</div>

);

};

const cardStyle = {

```
border: '5px solid #000',
borderRadius: '2px',
padding: '1rem',
width: '232px',
backgroundColor: '#ffe589ff',
color: '#000',
textAlign: 'center'
};
```

```
const imgStyle = {
  width: '90%',
  height: '200px',
  objectFit: 'cover',
  borderRadius: '6px',
  marginBottom: '1rem'
};
```

```
export default App;
```

5. Test Cases

Test Scenario	Expected Output
App loads in browser	Heading and all cards visible
Card layout	Cards appear in rows and wrap on screen
Responsive design	Cards adjust properly on screen resize
Images & data display correctly	Each person has correct photo and text

6. Screenshots of Output



7. Observation / Reflection

- This project helped understand how to use JSX and inline styles in React.
- Practiced rendering repeated UI elements using component structure.
- The layout was easy to manage using flexbox styling.
- Next time, this can be improved using Tailwind or separate CSS files for better scalability.

Problem Solving Activity 1.2

Follow the same Structure as problem Solving Activity 1.1.

