Ques1: Explain what the simple List component does

Ans: To generate a list with react we will traverse the column element using the map() and will surround modifications in square brackets. The parts and components are then

Assigned to listitems. Finally display this list on the web nu putting it among the <ul> and </ul> components.

In order to create a list of pieces ,students must use the character characteristic “key”, as specified in the react documentation. To determine whether items in the list had already been modified,added or destroyed.

Ques2:What problems / warnings are there with code?

Ans: DependencyNotFoundError

Ques3:

Ans:

import React, { useState, useEffect, memo } from 'react';

import PropTypes from 'prop-types';

// Single List Item

const WrappedSingleListItem = ({

index,

isSelected,

onClickHandler,

text,

}) => {

return (

<li

style={{ backgroundColor: isSelected ? 'green' : 'red'}}

onClick={onClickHandler(index)}

>

{text}

</li>

);

};

WrappedSingleListItem.propTypes = {

index: PropTypes.number,

isSelected: PropTypes.bool,

onClickHandler: PropTypes.func.isRequired,

text: PropTypes.string.isRequired,

};

const SingleListItem = memo(WrappedSingleListItem);

// List Component

const WrappedListComponent = ({

items,

}) => {

const [setSelectedIndex, selectedIndex] = useState();

useEffect(() => {

setSelectedIndex(null);

}, [items]);

const handleClick = index => {

setSelectedIndex(index);

};

return (

<ul style={{ textAlign: 'left' }}>

{items.map((item, index) => (

<SingleListItem

onClickHandler={() => handleClick(index)}

text={item.text}

index={index}

isSelected={selectedIndex}

/>

))}

</ul>

)

};

WrappedListComponent.propTypes = {

items: PropTypes.array(PropTypes.shapeOf({

text: PropTypes.string.isRequired,

})),

};

WrappedListComponent.defaultProps = {

items: null,

};

const List = memo(WrappedListComponent);

export default List;