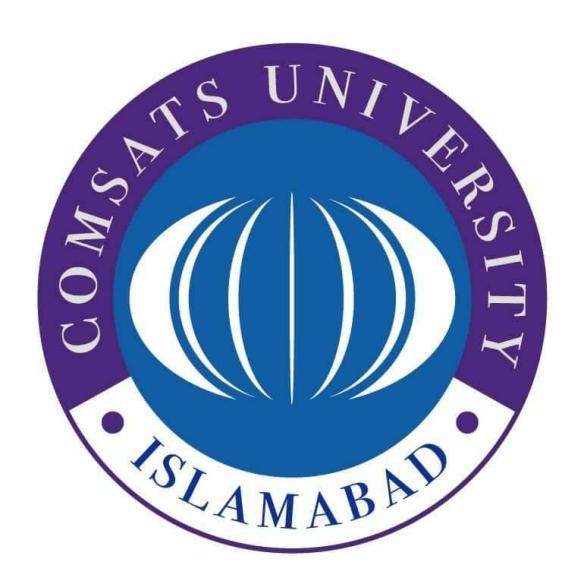
**ASSIGNMENT 2**

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**Name: ZOHAIB AHMER**

**Reg.no: FA20-BCS-038**

**Submitted to: MR kamran**

**Dated:15/04/2023**

**Subject:MAD**

**Code:-**

import React from 'react';

import { View, StyleSheet } from 'react-native';

const ChessBoard = () => {

const renderBoard = () => {

const squares = [];

const boardSize = 8; // 8x8 chess board

const squareSize = 40; // Size of each square in pixels

for (let row = 0; row < boardSize; row++) {

for (let col = 0; col < boardSize; col++) {

const isEvenRow = row % 2 === 0;

const isEvenCol = col % 2 === 0;

const backgroundColor = (isEvenRow && !isEvenCol) || (!isEvenRow && isEvenCol) ? 'white' : 'black';

squares.push(

<View

key={`${row}${col}`}

style={[

styles.square,

{ backgroundColor },

{

top: row \* squareSize,

left: col \* squareSize,

},

]}

/>

);

}

}

return squares;

};

return <View style={styles.boardContainer}>{renderBoard()}</View>;

};

const styles = StyleSheet.create({

boardContainer: {

flex: 1,

justifyContent: 'center',

alignItems: 'center',

backgroundColor: '#f8f8f8',

},

square: {

position: 'absolute',

width: 40,

height: 40,

},

});

export default ChessBoard;

**Output:-**

