Problem 1

*/\*\* \* 1. complete the above function,*

*\* it should return true /false if card is present/absent*

*\* example*

*\* findCard(5, 'heart') should return false*

*\* findCard(10, 'club') should return true*

*\*/*

Solution

*function* findCard(*value*, *suit*) {

  console.log(

    cardData.some((*curr*) => curr.value == value && curr.suit == suit)

  );

}

findCard(10, "club");

Problem 2

*2. write a function which returns the list of available suits in the above data*

*\* ans => ["heart", "club", "diamond"]*

Solution

*function* getSuits(*card*) {

*// write your code here*

*const* cards = card;

*const* array = [];

  cardData.forEach((*element*, *index*) => {

    if (array.indexOf(element[cards]) === -1) array.push(element[cards]);

  });

  console.log(array);

}

getSuits("suit");

Problem 3

*\* 3. write a function which returns an object with the suits as its key and its total count as its value*

*\* ans => {  heart:1,  club:3, diamond:2,}*

Solution

*function* getSuitCount(*cardData*) {

*// write your code here*

*const* objectSuit = {};

*var* countOfHeart = 0;

*var* countOfClub = 0;

*var* countOfDiamond = 0;

  cardData.forEach((*curr*) => {

    if (curr.suit == "heart") {

      countOfHeart += 1;

      objectSuit[curr.suit] = countOfHeart;

    }

    if (curr.suit == "club") {

      countOfClub += 1;

      objectSuit[curr.suit] = countOfClub;

    }

    if (curr.suit == "diamond") {

      countOfDiamond += 1;

      objectSuit[curr.suit] = countOfDiamond;

    }

*// console.log(curr.value);*

  });

  return objectSuit;

}

console.log(getSuitCount(cardData));

Problem 4

*\*  4. write a function which returns an object with the suits as its key and its available values as value*

*\*  ans => { heart:[7], club:[8,2,10], diamond:[2,5]}*

Solution

*function* getSuitValues(*cardData*) {

*// write your code here*

*const* objectSuit = {};

  objectSuit.heart = [];

  objectSuit.club = [];

  objectSuit.diamond = [];

  cardData.forEach((*curr*) => {

    if (curr.suit == "heart") {

      objectSuit.heart.push(curr.value);

    }

    if (curr.suit == "club") {

      objectSuit.club.push(curr.value);

    }

    if (curr.suit == "diamond") {

      objectSuit.diamond.push(curr.value);

    }

*// console.log(curr.value);*

  });

  return objectSuit;

}

console.log(getSuitValues(cardData));