<!DOCTYPE *html*>

<html *lang*="es">

<head>

    <meta *charset*="UTF-8">

    <meta *http-equiv*="X-UA-Compatible" *content*="IE=edge">

    <meta *name*="viewport" *content*="width=device-width, initial-scale=1.0">

    <title>Blackjack</title>

    <link *href*="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/css/bootstrap.min.css" *rel*="stylesheet" *integrity*="sha384-1BmE4kWBq78iYhFldvKuhfTAU6auU8tT94WrHftjDbrCEXSU1oBoqyl2QvZ6jIW3" *crossorigin*="anonymous">

    <link *rel*="stylesheet" *href*="assets/css/styles.css">

*<!-- <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/css/bootstrap.min.css" integrity="sha384-Vkoo8x4CGsO3+Hhxv8T/Q5PaXtkKtu6ug5TOeNV6gBiFeWPGFN9MuhOf23Q9Ifjh" crossorigin="anonymous"> -->*

</head>

<body>

    <header *class*="titulo"> *<!-- la clase .titulo en styles.css-->*

        Blackjack - By: Christian Alexander Martinez Millan

    </header>

    <div *class*="row mt-2"> *<!--mt-2 crea un margen -->*

        <div *id*="divBotones" *class*="col text-center"> *<!-- class="col text-center" centra el texto-->*

            <button *id*="btnNuevo"   *class*="btn btn-danger">Nuevo Juego</button> *<!-- class="btn btn-danger pone el boton en rojo-->*

            <button *id*="btnPedir"   *class*="btn btn-primary">Pedir Carta</button> *<!--"btn btn-primary" pone el boton azul -->*

            <button *id*="btnDetener" *class*="btn btn-primary">Detener</button>

        </div>

    </div>

    <div *class*="row container">

        <div *class*="col">

            <h1>Jugador 1 = <small *id*="small-jugador">0</small></h1> *<!-- small ira acumulando el puntaje del jugador-->*

            <div *id*="jugador-cartas"> *<!-- #computadora-cartas, #jugador-cartas como id en styles.css-->*

*<!-- <img class="carta" src="assets/cartas/2C.png"> <!-- class="carta" en styles.css -->*

            </div>

        </div>

    </div>

    <div *class*="row container mt-2">

        <div *class*="col">

            <h1>Computadora = <small *id*="small-computadora">0</small></h1> *<!-- small ira acumulando el puntaje del jugador-->*

            <div *id*="computadora-cartas"> *<!-- #computadora-cartas, #jugador-cartas como id en styles.css-->*

*<!-- <img class="carta" src="assets/cartas/2C.png"> <!-- class="carta" en styles.css -->*

            </div>

        </div>

    </div>

    <script *src*="assets/js/underscore-min.js"></script>

    <script *src*="assets/js/juego.js"></script>

</body>

</html>

*<!-- document.querySelector('header').innerText = 'alexander';*

*'alexander'  -----cambia BlackJack por alexander -->*

*<!-- document.querySelector('img').src*

*'file:///C:/Users/cristian/Desktop/JavaScript/02-blackjack/assets/cartas/2C.png'    trae la ruta de la imagen-->*

*<!-- document.querySelector('img').src = 'file:///C:/Users/cristian/Desktop/JavaScript/02-blackjack/assets/cartas/5H.png'*

*'file:///C:/Users/cristian/Desktop/JavaScript/02-blackjack/assets/cartas/5H.png' -->*

*<!-- document.querySelectorAll('.carta')*

*NodeList(8) [img.carta, img.carta, img.carta, img.carta, img.carta, img.carta, img.carta, img.carta]*

*igual que en CSS, las clases se traen con . en este caso .carta -->*

*<!-- document.querySelectorAll('#computadora-cartas')*

*NodeList [div#computadora-cartas]*

*igual que en CSS los id se traen por numeral, en este caso #computadora-cartas -->*

*<!-- para crear un boton nuevo desde la consola de chrome:*

*const divBotones = document.querySelector('#divBotones')*

*undefined*

*divBotones*

*<div id=​"divBotones" class=​"col text-center">​…​</div>​*

*document.createElement('button')*

*<button>​</button>​*

*const botonNuevo = document.createElement('button')*

*undefined*

*botonNuevo*

*<button>​</button>​*

*divBotones.append( botonNuevo )*

*undefined*

*botonNuevo.innerText = 'Destruir el Mundo'*

*'Destruir el Mundo'*

*botonNuevo.classList.add('btn')*

*undefined*

*botonNuevo.classList.add('btn-success')*

*undefined*

*-->*

*<!-- para crear un input con placeholder:*

*const input = document.createElement('input')*

*undefined*

*document.body.append( input )*

*undefined*

*input.classList.add('form-control')*

*undefined*

*input.placeholder = 'hola mundo'*

*'hola mundo'*

*-->*

html, body{

    margin: 5px;

    background-image: url('../wallpaper/kakeguri.jpg');

    background-color: red;

    color: white;

    background-attachment: fixed;

    background-size: 100% 100%;

}

.titulo{

    text-align: center;

    background-color: black;

    color: white;

    padding: 20px;

    font-size: 25px;

}

.carta{

    position: relative;

    width: 150px;

    left: 100px;

    margin-left: -75px;

}

#computadora-cartas, #jugador-cartas{

    height: 240px;

}

*/\**

*CARTAS:*

*2C = CLUB = TREBOL*

*2D = DIAMOND = DIAMANTES*

*2H = HEARTS = CORAZONES*

*2S = SPADES = PICAS O ESPADAS*

*\*/*

let deck = [];

const tipos = ['C','D','H','S'];

const especiales = ['A','J','Q','K'];

let puntosJugador = 0, puntosComputadora = 0;

*//REFERENCIAS DEL HTML*

const btnPedir              = document.querySelector('#btnPedir');

const btnDetener            = document.querySelector('#btnDetener');

const puntosHtmlJugador     = document.querySelector('#small-jugador');

const divCartasJugador      = document.querySelector('#jugador-cartas');

const puntosHtmlComputadora = document.querySelector('#small-computadora');

const divCartasComputadora  = document.querySelector('#computadora-cartas');

const btnNuevo              = document.querySelector('#btnNuevo');

*//document.querySelector trae lo del html ya sea tags, id, class y lo depositamos en una variable*

const crearDeck = () => {

    for(let i = 2;i <= 10; i++){ *//2 es donde inician las cartas y van hasta 10 las cartas*

        for(let tipo of tipos){ *//cada numero del 1 al 10 pasa por cada elemento en el arreglo tipos*

            deck.push(i + tipo);

        }

    }

    for(let tipo of tipos){

        for(let esp of especiales){

            deck.push(esp + tipo); *//cada especial(que vale como numero) va a pasar por cada tipo*

        }

    }

*// console.log(deck); // deck ordenado*

    deck = \_.shuffle(deck);*//\_.shuffle(deck); lo que hace es varajear el deck al azar https://underscorejs.org/#shuffle*

*// https://underscorejs.org/#*

*// console.log(deck); //deck al azar gracias a shuffle*

    return deck;

}

crearDeck();

const pedirCarta = () => {

    if (deck.length === 0){

        throw 'No hay cartas en el deck';

        console.log('???');

    }

    const carta = deck.pop();

*// console.log(deck);*

*// console.log(carta);*

    return carta;

}

*//pedirCarta();*

const valorCarta = (*carta*) => {

    const valor = carta.substring(0, carta.length-1); *//corta el string desde posicion 0 pero no inclyendo el ultimo elemento*

    return (isNaN (valor))?

           (valor  === 'A')? 11 : 10

           : valor \* 1;

}

*//turno de la computadora*

const turnoComputadora = (*puntosMinimos*) => {

    do{

        const carta = pedirCarta();

        console.log(carta);

        puntosComputadora = puntosComputadora + valorCarta(carta);

        console.log(puntosComputadora);

        puntosHtmlComputadora.innerText = puntosComputadora;

*// <div id="computadora-cartas"> <!-- #computadora-cartas, #jugador-cartas como id en styles.css-->*

*// <!-- <img class="carta" src="assets/cartas/2C.png"> <!-- class="carta" en styles.css -->*

        const imgCarta = document.createElement('img'); *//crear una imagen*

        imgCarta.src = `assets/cartas/${ carta }.png`; *//ruta de la imagen*

        divCartasComputadora.append(imgCarta); *//insertar la imagen el la const divCartasJugador que asu vez apunta a #jugador-cartas*

        imgCarta.classList.add('carta'); *//.class desde sytles.css*

        if(puntosMinimos > 21){

            break;

        }

    }while((puntosComputadora < puntosMinimos) && (puntosMinimos <= 21));

    setTimeout(() => { *//setTimeOut hace que este bloque se ejecute quinientos milisegundos despues de haber terminado el codigo del juego*

        if(puntosComputadora === puntosMinimos){

                console.warn('EMPATE');

                alert('EMPATE');

        }else if(puntosMinimos > 21){

                console.warn('Computadora Gana');

                alert('Computadora Gana');

        }else if(puntosComputadora > 21){

                console.warn('Jugador Gana');

                alert('Jugador Gana');

        }else{

                console.warn('Computadora Gana');

                alert('Computadora Gana');

            }

    }, 500 ); *//quinientos milisegundos, tiempo de retraso*

}

*//EVENTOS*

btnPedir.addEventListener('click', () => {

*// console.log('prueba click pedir');*

    const carta = pedirCarta();

    console.log(carta);

    puntosJugador = puntosJugador + valorCarta(carta);

    console.log(puntosJugador);

    puntosHtmlJugador.innerText = puntosJugador;

*// puntosHtmlJugador[0].innerText = puntosJugador;*

*// <div id="jugador-cartas"> <!-- #computadora-cartas, #jugador-cartas como id en styles.css-->*

*// <!-- <img class="carta" src="assets/cartas/2C.png"> <!-- class="carta" en styles.css -->*

    const imgCarta = document.createElement('img'); *//crear una imagen*

    imgCarta.src = `assets/cartas/${ carta }.png`; *//ruta de la imagen*

    divCartasJugador.append(imgCarta); *//insertar la imagen el la const divCartasJugador que asu vez apunta a #jugador-cartas*

    imgCarta.classList.add('carta'); *//.class desde sytles.css*

    if(puntosJugador > 21){

        console.warn('jugador pierde');

        btnPedir.disabled = true;

        btnDetener.disabled = true;

        turnoComputadora(puntosJugador); *//puntosJugador entra como argumento puntosMinimos*

    }else if(puntosJugador === 21){

        console.warn('21, jugador gana');

        btnPedir.disabled = true;

        btnDetener.disabled = true;

        turnoComputadora(puntosJugador);

    }

});

btnDetener.addEventListener('click', () => {

    btnPedir.disabled = true;

    btnDetener.disabled = true;

    turnoComputadora(puntosJugador);

});

btnNuevo.addEventListener('click', () => {

    console.clear();

    deck = [];

    deck = crearDeck();

    console.log(deck);

    puntosJugador = 0;

    puntosComputadora = 0;

    puntosHtmlJugador.innerText = 0;

    puntosHtmlComputadora.innerText = 0;

    divCartasJugador.innerHTML = '';

    divCartasComputadora.innerHTML = '';

    btnPedir.disabled = false;

    btnDetener.disabled = false;

});

*// const valor = valorCarta(pedirCarta());*

*// console.log({valor});*

*/\**

*const valorCarta = (carta) => {*

*// const valor = carta[0]; //extrae la posicion 0 del string '2D'*

*const valor = carta.substring(0, carta.length-1); //corta el string desde posicion 0 pero no inclyendo el ultimo elemento*

*console.log({valor});*

*if (isNaN(valor)){ //if is not a number?*

*//console.log('no es un numero');*

*puntos = (valor === 'A')? 11 : 10;*

*// si es A entonces vale 11, si es otra letra entonces vale 10, sino es numero*

*}else{*

*//console.log('es un numero');*

*puntos = valor \* 1; // \*1 covierte el valor en numerico*

*}*

*console.log(puntos);*

*}*

*valorCarta('9D');*

*\*/*

!function(*n*,*r*){"object"==typeof exports&&"undefined"!=typeof module?module.exports=r():"function"==typeof define&&define.amd?define("underscore",r):(n="undefined"!=typeof globalThis?globalThis:n||self,function(){var t=n.\_,e=n.\_=r();e.noConflict=function(){return n.\_=t,e}}())}(**this**,(function(){

*//     Underscore.js 1.13.2*

*//     https://underscorejs.org*

*//     (c) 2009-2021 Jeremy Ashkenas, Julian Gonggrijp, and DocumentCloud and Investigative Reporters & Editors*

*//     Underscore may be freely distributed under the MIT license.*

    var n="1.13.2",r="object"==typeof self&&self.self===self&&self||"object"==typeof global&&global.global===global&&global||Function("return this")()||{},t=Array.prototype,e=Object.prototype,u="undefined"!=typeof Symbol?Symbol.prototype:null,o=t.push,i=t.slice,a=e.toString,f=e.hasOwnProperty,c="undefined"!=typeof ArrayBuffer,l="undefined"!=typeof DataView,s=Array.isArray,p=Object.keys,v=Object.create,h=c&&ArrayBuffer.isView,y=isNaN,d=isFinite,g=!{toString:null}.propertyIsEnumerable("toString"),b=["valueOf","isPrototypeOf","toString","propertyIsEnumerable","hasOwnProperty","toLocaleString"],m=Math.pow(2,53)-1;function j(n,r){return r=null==r?n.length-1:+r,function(){for(var t=Math.max(arguments.length-r,0),e=Array(t),u=0;u<t;u++)e[u]=arguments[u+r];switch(r){case 0:return n.call(this,e);case 1:return n.call(this,arguments[0],e);case 2:return n.call(this,arguments[0],arguments[1],e)}var o=Array(r+1);for(u=0;u<r;u++)o[u]=arguments[u];return o[r]=e,n.apply(this,o)}}function \_(n){var r=typeof n;return"function"===r||"object"===r&&!!n}function w(n){return void 0===n}function A(n){return!0===n||!1===n||"[object Boolean]"===a.call(n)}function x(n){var r="[object "+n+"]";return function(n){return a.call(n)===r}}var S=x("String"),O=x("Number"),M=x("Date"),E=x("RegExp"),B=x("Error"),N=x("Symbol"),I=x("ArrayBuffer"),T=x("Function"),k=r.document&&r.document.childNodes;"function"!=typeof/./&&"object"!=typeof Int8Array&&"function"!=typeof k&&(T=function(n){return"function"==typeof n||!1});var D=T,R=x("Object"),F=l&&R(new DataView(new ArrayBuffer(8))),V="undefined"!=typeof Map&&R(new Map),P=x("DataView");var q=F?function(n){return null!=n&&D(n.getInt8)&&I(n.buffer)}:P,U=s||x("Array");function W(n,r){return null!=n&&f.call(n,r)}var z=x("Arguments");!function(){z(arguments)||(z=function(n){return W(n,"callee")})}();var L=z;function $(n){return O(n)&&y(n)}function C(n){return function(){return n}}function K(n){return function(r){var t=n(r);return"number"==typeof t&&t>=0&&t<=m}}function J(n){return function(r){return null==r?void 0:r[n]}}var G=J("byteLength"),H=K(G),Q=/\[object ((I|Ui)nt(8|16|32)|Float(32|64)|Uint8Clamped|Big(I|Ui)nt64)Array\]/;var X=c?function(n){return h?h(n)&&!q(n):H(n)&&Q.test(a.call(n))}:C(!1),Y=J("length");function Z(n,r){r=function(n){for(var r={},t=n.length,e=0;e<t;++e)r[n[e]]=!0;return{contains:function(n){return!0===r[n]},push:function(t){return r[t]=!0,n.push(t)}}}(r);var t=b.length,u=n.constructor,o=D(u)&&u.prototype||e,i="constructor";for(W(n,i)&&!r.contains(i)&&r.push(i);t--;)(i=b[t])in n&&n[i]!==o[i]&&!r.contains(i)&&r.push(i)}function nn(n){if(!\_(n))return[];if(p)return p(n);var r=[];for(var t in n)W(n,t)&&r.push(t);return g&&Z(n,r),r}function rn(n,r){var t=nn(r),e=t.length;if(null==n)return!e;for(var u=Object(n),o=0;o<e;o++){var i=t[o];if(r[i]!==u[i]||!(i in u))return!1}return!0}function tn(n){return n instanceof tn?n:this instanceof tn?void(this.\_wrapped=n):new tn(n)}function en(n){return new Uint8Array(n.buffer||n,n.byteOffset||0,G(n))}tn.VERSION=n,tn.prototype.value=function(){return this.\_wrapped},tn.prototype.valueOf=tn.prototype.toJSON=tn.prototype.value,tn.prototype.toString=function(){return String(this.\_wrapped)};var un="[object DataView]";function on(n,r,t,e){if(n===r)return 0!==n||1/n==1/r;if(null==n||null==r)return!1;if(n!=n)return r!=r;var o=typeof n;return("function"===o||"object"===o||"object"==typeof r)&&function n(r,t,e,o){r instanceof tn&&(r=r.\_wrapped);t instanceof tn&&(t=t.\_wrapped);var i=a.call(r);if(i!==a.call(t))return!1;if(F&&"[object Object]"==i&&q(r)){if(!q(t))return!1;i=un}switch(i){case"[object RegExp]":case"[object String]":return""+r==""+t;case"[object Number]":return+r!=+r?+t!=+t:0==+r?1/+r==1/t:+r==+t;case"[object Date]":case"[object Boolean]":return+r==+t;case"[object Symbol]":return u.valueOf.call(r)===u.valueOf.call(t);case"[object ArrayBuffer]":case un:return n(en(r),en(t),e,o)}var f="[object Array]"===i;if(!f&&X(r)){if(G(r)!==G(t))return!1;if(r.buffer===t.buffer&&r.byteOffset===t.byteOffset)return!0;f=!0}if(!f){if("object"!=typeof r||"object"!=typeof t)return!1;var c=r.constructor,l=t.constructor;if(c!==l&&!(D(c)&&c instanceof c&&D(l)&&l instanceof l)&&"constructor"in r&&"constructor"in t)return!1}o=o||[];var s=(e=e||[]).length;for(;s--;)if(e[s]===r)return o[s]===t;if(e.push(r),o.push(t),f){if((s=r.length)!==t.length)return!1;for(;s--;)if(!on(r[s],t[s],e,o))return!1}else{var p,v=nn(r);if(s=v.length,nn(t).length!==s)return!1;for(;s--;)if(p=v[s],!W(t,p)||!on(r[p],t[p],e,o))return!1}return e.pop(),o.pop(),!0}(n,r,t,e)}function an(n){if(!\_(n))return[];var r=[];for(var t in n)r.push(t);return g&&Z(n,r),r}function fn(n){var r=Y(n);return function(t){if(null==t)return!1;var e=an(t);if(Y(e))return!1;for(var u=0;u<r;u++)if(!D(t[n[u]]))return!1;return n!==hn||!D(t[cn])}}var cn="forEach",ln="has",sn=["clear","delete"],pn=["get",ln,"set"],vn=sn.concat(cn,pn),hn=sn.concat(pn),yn=["add"].concat(sn,cn,ln),dn=V?fn(vn):x("Map"),gn=V?fn(hn):x("WeakMap"),bn=V?fn(yn):x("Set"),mn=x("WeakSet");function jn(n){for(var r=nn(n),t=r.length,e=Array(t),u=0;u<t;u++)e[u]=n[r[u]];return e}function \_n(n){for(var r={},t=nn(n),e=0,u=t.length;e<u;e++)r[n[t[e]]]=t[e];return r}function wn(n){var r=[];for(var t in n)D(n[t])&&r.push(t);return r.sort()}function An(n,r){return function(t){var e=arguments.length;if(r&&(t=Object(t)),e<2||null==t)return t;for(var u=1;u<e;u++)for(var o=arguments[u],i=n(o),a=i.length,f=0;f<a;f++){var c=i[f];r&&void 0!==t[c]||(t[c]=o[c])}return t}}var xn=An(an),Sn=An(nn),On=An(an,!0);function Mn(n){if(!\_(n))return{};if(v)return v(n);var r=function(){};r.prototype=n;var t=new r;return r.prototype=null,t}function En(n){return U(n)?n:[n]}function Bn(n){return tn.toPath(n)}function Nn(n,r){for(var t=r.length,e=0;e<t;e++){if(null==n)return;n=n[r[e]]}return t?n:void 0}function In(n,r,t){var e=Nn(n,Bn(r));return w(e)?t:e}function Tn(n){return n}function kn(n){return n=Sn({},n),function(r){return rn(r,n)}}function Dn(n){return n=Bn(n),function(r){return Nn(r,n)}}function Rn(n,r,t){if(void 0===r)return n;switch(null==t?3:t){case 1:return function(t){return n.call(r,t)};case 3:return function(t,e,u){return n.call(r,t,e,u)};case 4:return function(t,e,u,o){return n.call(r,t,e,u,o)}}return function(){return n.apply(r,arguments)}}function Fn(n,r,t){return null==n?Tn:D(n)?Rn(n,r,t):\_(n)&&!U(n)?kn(n):Dn(n)}function Vn(n,r){return Fn(n,r,1/0)}function Pn(n,r,t){return tn.iteratee!==Vn?tn.iteratee(n,r):Fn(n,r,t)}function qn(){}function Un(n,r){return null==r&&(r=n,n=0),n+Math.floor(Math.random()\*(r-n+1))}tn.toPath=En,tn.iteratee=Vn;var Wn=Date.now||function(){return(new Date).getTime()};function zn(n){var r=function(r){return n[r]},t="(?:"+nn(n).join("|")+")",e=RegExp(t),u=RegExp(t,"g");return function(n){return n=null==n?"":""+n,e.test(n)?n.replace(u,r):n}}var Ln={"&":"&amp;","<":"&lt;",">":"&gt;",'"':"&quot;","'":"&#x27;","`":"&#x60;"},$n=zn(Ln),Cn=zn(\_n(Ln)),Kn=tn.templateSettings={evaluate:/<%([\s\S]+?)%>/g,interpolate:/<%=([\s\S]+?)%>/g,escape:/<%-([\s\S]+?)%>/g},Jn=/(.)^/,Gn={"'":"'","\\":"\\","\r":"r","\n":"n","\u2028":"u2028","\u2029":"u2029"},Hn=/\\|'|\r|\n|\u2028|\u2029/g;function Qn(n){return"\\"+Gn[n]}var Xn=/^\s\*(\w|\$)+\s\*$/;var Yn=0;function Zn(n,r,t,e,u){if(!(e instanceof r))return n.apply(t,u);var o=Mn(n.prototype),i=n.apply(o,u);return \_(i)?i:o}var nr=j((function(n,r){var t=nr.placeholder,e=function(){for(var u=0,o=r.length,i=Array(o),a=0;a<o;a++)i[a]=r[a]===t?arguments[u++]:r[a];for(;u<arguments.length;)i.push(arguments[u++]);return Zn(n,e,this,this,i)};return e}));nr.placeholder=tn;var rr=j((function(n,r,t){if(!D(n))throw new TypeError("Bind must be called on a function");var e=j((function(u){return Zn(n,e,r,this,t.concat(u))}));return e})),tr=K(Y);function er(n,r,t,e){if(e=e||[],r||0===r){if(r<=0)return e.concat(n)}else r=1/0;for(var u=e.length,o=0,i=Y(n);o<i;o++){var a=n[o];if(tr(a)&&(U(a)||L(a)))if(r>1)er(a,r-1,t,e),u=e.length;else for(var f=0,c=a.length;f<c;)e[u++]=a[f++];else t||(e[u++]=a)}return e}var ur=j((function(n,r){var t=(r=er(r,!1,!1)).length;if(t<1)throw new Error("bindAll must be passed function names");for(;t--;){var e=r[t];n[e]=rr(n[e],n)}return n}));var or=j((function(n,r,t){return setTimeout((function(){return n.apply(null,t)}),r)})),ir=nr(or,tn,1);function ar(n){return function(){return!n.apply(this,arguments)}}function fr(n,r){var t;return function(){return--n>0&&(t=r.apply(this,arguments)),n<=1&&(r=null),t}}var cr=nr(fr,2);function lr(n,r,t){r=Pn(r,t);for(var e,u=nn(n),o=0,i=u.length;o<i;o++)if(r(n[e=u[o]],e,n))return e}function sr(n){return function(r,t,e){t=Pn(t,e);for(var u=Y(r),o=n>0?0:u-1;o>=0&&o<u;o+=n)if(t(r[o],o,r))return o;return-1}}var pr=sr(1),vr=sr(-1);function hr(n,r,t,e){for(var u=(t=Pn(t,e,1))(r),o=0,i=Y(n);o<i;){var a=Math.floor((o+i)/2);t(n[a])<u?o=a+1:i=a}return o}function yr(n,r,t){return function(e,u,o){var a=0,f=Y(e);if("number"==typeof o)n>0?a=o>=0?o:Math.max(o+f,a):f=o>=0?Math.min(o+1,f):o+f+1;else if(t&&o&&f)return e[o=t(e,u)]===u?o:-1;if(u!=u)return(o=r(i.call(e,a,f),$))>=0?o+a:-1;for(o=n>0?a:f-1;o>=0&&o<f;o+=n)if(e[o]===u)return o;return-1}}var dr=yr(1,pr,hr),gr=yr(-1,vr);function br(n,r,t){var e=(tr(n)?pr:lr)(n,r,t);if(void 0!==e&&-1!==e)return n[e]}function mr(n,r,t){var e,u;if(r=Rn(r,t),tr(n))for(e=0,u=n.length;e<u;e++)r(n[e],e,n);else{var o=nn(n);for(e=0,u=o.length;e<u;e++)r(n[o[e]],o[e],n)}return n}function jr(n,r,t){r=Pn(r,t);for(var e=!tr(n)&&nn(n),u=(e||n).length,o=Array(u),i=0;i<u;i++){var a=e?e[i]:i;o[i]=r(n[a],a,n)}return o}function \_r(n){var r=function(r,t,e,u){var o=!tr(r)&&nn(r),i=(o||r).length,a=n>0?0:i-1;for(u||(e=r[o?o[a]:a],a+=n);a>=0&&a<i;a+=n){var f=o?o[a]:a;e=t(e,r[f],f,r)}return e};return function(n,t,e,u){var o=arguments.length>=3;return r(n,Rn(t,u,4),e,o)}}var wr=\_r(1),Ar=\_r(-1);function xr(n,r,t){var e=[];return r=Pn(r,t),mr(n,(function(n,t,u){r(n,t,u)&&e.push(n)})),e}function Sr(n,r,t){r=Pn(r,t);for(var e=!tr(n)&&nn(n),u=(e||n).length,o=0;o<u;o++){var i=e?e[o]:o;if(!r(n[i],i,n))return!1}return!0}function Or(n,r,t){r=Pn(r,t);for(var e=!tr(n)&&nn(n),u=(e||n).length,o=0;o<u;o++){var i=e?e[o]:o;if(r(n[i],i,n))return!0}return!1}function Mr(n,r,t,e){return tr(n)||(n=jn(n)),("number"!=typeof t||e)&&(t=0),dr(n,r,t)>=0}var Er=j((function(n,r,t){var e,u;return D(r)?u=r:(r=Bn(r),e=r.slice(0,-1),r=r[r.length-1]),jr(n,(function(n){var o=u;if(!o){if(e&&e.length&&(n=Nn(n,e)),null==n)return;o=n[r]}return null==o?o:o.apply(n,t)}))}));function Br(n,r){return jr(n,Dn(r))}function Nr(n,r,t){var e,u,o=-1/0,i=-1/0;if(null==r||"number"==typeof r&&"object"!=typeof n[0]&&null!=n)for(var a=0,f=(n=tr(n)?n:jn(n)).length;a<f;a++)null!=(e=n[a])&&e>o&&(o=e);else r=Pn(r,t),mr(n,(function(n,t,e){((u=r(n,t,e))>i||u===-1/0&&o===-1/0)&&(o=n,i=u)}));return o}var Ir=/[^\ud800-\udfff]|[\ud800-\udbff][\udc00-\udfff]|[\ud800-\udfff]/g;function Tr(n){return n?U(n)?i.call(n):S(n)?n.match(Ir):tr(n)?jr(n,Tn):jn(n):[]}function kr(n,r,t){if(null==r||t)return tr(n)||(n=jn(n)),n[Un(n.length-1)];var e=Tr(n),u=Y(e);r=Math.max(Math.min(r,u),0);for(var o=u-1,i=0;i<r;i++){var a=Un(i,o),f=e[i];e[i]=e[a],e[a]=f}return e.slice(0,r)}function Dr(n,r){return function(t,e,u){var o=r?[[],[]]:{};return e=Pn(e,u),mr(t,(function(r,u){var i=e(r,u,t);n(o,r,i)})),o}}var Rr=Dr((function(n,r,t){W(n,t)?n[t].push(r):n[t]=[r]})),Fr=Dr((function(n,r,t){n[t]=r})),Vr=Dr((function(n,r,t){W(n,t)?n[t]++:n[t]=1})),Pr=Dr((function(n,r,t){n[t?0:1].push(r)}),!0);function qr(n,r,t){return r in t}var Ur=j((function(n,r){var t={},e=r[0];if(null==n)return t;D(e)?(r.length>1&&(e=Rn(e,r[1])),r=an(n)):(e=qr,r=er(r,!1,!1),n=Object(n));for(var u=0,o=r.length;u<o;u++){var i=r[u],a=n[i];e(a,i,n)&&(t[i]=a)}return t})),Wr=j((function(n,r){var t,e=r[0];return D(e)?(e=ar(e),r.length>1&&(t=r[1])):(r=jr(er(r,!1,!1),String),e=function(n,t){return!Mr(r,t)}),Ur(n,e,t)}));function zr(n,r,t){return i.call(n,0,Math.max(0,n.length-(null==r||t?1:r)))}function Lr(n,r,t){return null==n||n.length<1?null==r||t?void 0:[]:null==r||t?n[0]:zr(n,n.length-r)}function $r(n,r,t){return i.call(n,null==r||t?1:r)}var Cr=j((function(n,r){return r=er(r,!0,!0),xr(n,(function(n){return!Mr(r,n)}))})),Kr=j((function(n,r){return Cr(n,r)}));function Jr(n,r,t,e){A(r)||(e=t,t=r,r=!1),null!=t&&(t=Pn(t,e));for(var u=[],o=[],i=0,a=Y(n);i<a;i++){var f=n[i],c=t?t(f,i,n):f;r&&!t?(i&&o===c||u.push(f),o=c):t?Mr(o,c)||(o.push(c),u.push(f)):Mr(u,f)||u.push(f)}return u}var Gr=j((function(n){return Jr(er(n,!0,!0))}));function Hr(n){for(var r=n&&Nr(n,Y).length||0,t=Array(r),e=0;e<r;e++)t[e]=Br(n,e);return t}var Qr=j(Hr);function Xr(n,r){return n.\_chain?tn(r).chain():r}function Yr(n){return mr(wn(n),(function(r){var t=tn[r]=n[r];tn.prototype[r]=function(){var n=[this.\_wrapped];return o.apply(n,arguments),Xr(this,t.apply(tn,n))}})),tn}mr(["pop","push","reverse","shift","sort","splice","unshift"],(function(n){var r=t[n];tn.prototype[n]=function(){var t=this.\_wrapped;return null!=t&&(r.apply(t,arguments),"shift"!==n&&"splice"!==n||0!==t.length||delete t[0]),Xr(this,t)}})),mr(["concat","join","slice"],(function(n){var r=t[n];tn.prototype[n]=function(){var n=this.\_wrapped;return null!=n&&(n=r.apply(n,arguments)),Xr(this,n)}}));var Zr=Yr({\_\_proto\_\_:null,VERSION:n,restArguments:j,isObject:\_,isNull:function(n){return null===n},isUndefined:w,isBoolean:A,isElement:function(n){return!(!n||1!==n.nodeType)},isString:S,isNumber:O,isDate:M,isRegExp:E,isError:B,isSymbol:N,isArrayBuffer:I,isDataView:q,isArray:U,isFunction:D,isArguments:L,isFinite:function(n){return!N(n)&&d(n)&&!isNaN(parseFloat(n))},isNaN:$,isTypedArray:X,isEmpty:function(n){if(null==n)return!0;var r=Y(n);return"number"==typeof r&&(U(n)||S(n)||L(n))?0===r:0===Y(nn(n))},isMatch:rn,isEqual:function(n,r){return on(n,r)},isMap:dn,isWeakMap:gn,isSet:bn,isWeakSet:mn,keys:nn,allKeys:an,values:jn,pairs:function(n){for(var r=nn(n),t=r.length,e=Array(t),u=0;u<t;u++)e[u]=[r[u],n[r[u]]];return e},invert:\_n,functions:wn,methods:wn,extend:xn,extendOwn:Sn,assign:Sn,defaults:On,create:function(n,r){var t=Mn(n);return r&&Sn(t,r),t},clone:function(n){return \_(n)?U(n)?n.slice():xn({},n):n},tap:function(n,r){return r(n),n},get:In,has:function(n,r){for(var t=(r=Bn(r)).length,e=0;e<t;e++){var u=r[e];if(!W(n,u))return!1;n=n[u]}return!!t},mapObject:function(n,r,t){r=Pn(r,t);for(var e=nn(n),u=e.length,o={},i=0;i<u;i++){var a=e[i];o[a]=r(n[a],a,n)}return o},identity:Tn,constant:C,noop:qn,toPath:En,property:Dn,propertyOf:function(n){return null==n?qn:function(r){return In(n,r)}},matcher:kn,matches:kn,times:function(n,r,t){var e=Array(Math.max(0,n));r=Rn(r,t,1);for(var u=0;u<n;u++)e[u]=r(u);return e},random:Un,now:Wn,escape:$n,unescape:Cn,templateSettings:Kn,template:function(n,r,t){!r&&t&&(r=t),r=On({},r,tn.templateSettings);var e=RegExp([(r.escape||Jn).source,(r.interpolate||Jn).source,(r.evaluate||Jn).source].join("|")+"|$","g"),u=0,o="\_\_p+='";n.replace(e,(function(r,t,e,i,a){return o+=n.slice(u,a).replace(Hn,Qn),u=a+r.length,t?o+="'+\n((\_\_t=("+t+"))==null?'':\_.escape(\_\_t))+\n'":e?o+="'+\n((\_\_t=("+e+"))==null?'':\_\_t)+\n'":i&&(o+="';\n"+i+"\n\_\_p+='"),r})),o+="';\n";var i,a=r.variable;if(a){if(!Xn.test(a))throw new Error("variable is not a bare identifier: "+a)}else o="with(obj||{}){\n"+o+"}\n",a="obj";o="var \_\_t,\_\_p='',\_\_j=Array.prototype.join,"+"print=function(){\_\_p+=\_\_j.call(arguments,'');};\n"+o+"return \_\_p;\n";try{i=new Function(a,"\_",o)}catch(n){throw n.source=o,n}var f=function(n){return i.call(this,n,tn)};return f.source="function("+a+"){\n"+o+"}",f},result:function(n,r,t){var e=(r=Bn(r)).length;if(!e)return D(t)?t.call(n):t;for(var u=0;u<e;u++){var o=null==n?void 0:n[r[u]];void 0===o&&(o=t,u=e),n=D(o)?o.call(n):o}return n},uniqueId:function(n){var r=++Yn+"";return n?n+r:r},chain:function(n){var r=tn(n);return r.\_chain=!0,r},iteratee:Vn,partial:nr,bind:rr,bindAll:ur,memoize:function(n,r){var t=function(e){var u=t.cache,o=""+(r?r.apply(this,arguments):e);return W(u,o)||(u[o]=n.apply(this,arguments)),u[o]};return t.cache={},t},delay:or,defer:ir,throttle:function(n,r,t){var e,u,o,i,a=0;t||(t={});var f=function(){a=!1===t.leading?0:Wn(),e=null,i=n.apply(u,o),e||(u=o=null)},c=function(){var c=Wn();a||!1!==t.leading||(a=c);var l=r-(c-a);return u=this,o=arguments,l<=0||l>r?(e&&(clearTimeout(e),e=null),a=c,i=n.apply(u,o),e||(u=o=null)):e||!1===t.trailing||(e=setTimeout(f,l)),i};return c.cancel=function(){clearTimeout(e),a=0,e=u=o=null},c},debounce:function(n,r,t){var e,u,o,i,a,f=function(){var c=Wn()-u;r>c?e=setTimeout(f,r-c):(e=null,t||(i=n.apply(a,o)),e||(o=a=null))},c=j((function(c){return a=this,o=c,u=Wn(),e||(e=setTimeout(f,r),t&&(i=n.apply(a,o))),i}));return c.cancel=function(){clearTimeout(e),e=o=a=null},c},wrap:function(n,r){return nr(r,n)},negate:ar,compose:function(){var n=arguments,r=n.length-1;return function(){for(var t=r,e=n[r].apply(this,arguments);t--;)e=n[t].call(this,e);return e}},after:function(n,r){return function(){if(--n<1)return r.apply(this,arguments)}},before:fr,once:cr,findKey:lr,findIndex:pr,findLastIndex:vr,sortedIndex:hr,indexOf:dr,lastIndexOf:gr,find:br,detect:br,findWhere:function(n,r){return br(n,kn(r))},each:mr,forEach:mr,map:jr,collect:jr,reduce:wr,foldl:wr,inject:wr,reduceRight:Ar,foldr:Ar,filter:xr,select:xr,reject:function(n,r,t){return xr(n,ar(Pn(r)),t)},every:Sr,all:Sr,some:Or,any:Or,contains:Mr,includes:Mr,include:Mr,invoke:Er,pluck:Br,where:function(n,r){return xr(n,kn(r))},max:Nr,min:function(n,r,t){var e,u,o=1/0,i=1/0;if(null==r||"number"==typeof r&&"object"!=typeof n[0]&&null!=n)for(var a=0,f=(n=tr(n)?n:jn(n)).length;a<f;a++)null!=(e=n[a])&&e<o&&(o=e);else r=Pn(r,t),mr(n,(function(n,t,e){((u=r(n,t,e))<i||u===1/0&&o===1/0)&&(o=n,i=u)}));return o},shuffle:function(n){return kr(n,1/0)},sample:kr,sortBy:function(n,r,t){var e=0;return r=Pn(r,t),Br(jr(n,(function(n,t,u){return{value:n,index:e++,criteria:r(n,t,u)}})).sort((function(n,r){var t=n.criteria,e=r.criteria;if(t!==e){if(t>e||void 0===t)return 1;if(t<e||void 0===e)return-1}return n.index-r.index})),"value")},groupBy:Rr,indexBy:Fr,countBy:Vr,partition:Pr,toArray:Tr,size:function(n){return null==n?0:tr(n)?n.length:nn(n).length},pick:Ur,omit:Wr,first:Lr,head:Lr,take:Lr,initial:zr,last:function(n,r,t){return null==n||n.length<1?null==r||t?void 0:[]:null==r||t?n[n.length-1]:$r(n,Math.max(0,n.length-r))},rest:$r,tail:$r,drop:$r,compact:function(n){return xr(n,Boolean)},flatten:function(n,r){return er(n,r,!1)},without:Kr,uniq:Jr,unique:Jr,union:Gr,intersection:function(n){for(var r=[],t=arguments.length,e=0,u=Y(n);e<u;e++){var o=n[e];if(!Mr(r,o)){var i;for(i=1;i<t&&Mr(arguments[i],o);i++);i===t&&r.push(o)}}return r},difference:Cr,unzip:Hr,transpose:Hr,zip:Qr,object:function(n,r){for(var t={},e=0,u=Y(n);e<u;e++)r?t[n[e]]=r[e]:t[n[e][0]]=n[e][1];return t},range:function(n,r,t){null==r&&(r=n||0,n=0),t||(t=r<n?-1:1);for(var e=Math.max(Math.ceil((r-n)/t),0),u=Array(e),o=0;o<e;o++,n+=t)u[o]=n;return u},chunk:function(n,r){if(null==r||r<1)return[];for(var t=[],e=0,u=n.length;e<u;)t.push(i.call(n,e,e+=r));return t},mixin:Yr,default:tn});return Zr.\_=Zr,Zr}));

**CODIGO JUEGO BLACKJACK 21 (NO OPTIMIZADO)**

**MADE BY CHRISTIAN ALEXANDER MARTINEZ MILLAN**

**SDK: VISUAL STUDIO CODE – JAVASCRIPT**

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