

PSEUDOCODI PRÀCTICA 2 UF1

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function
    var
        INTEGER dificultat, fila, col, i, j, count;
        CHAR columna;
    endvar
    WRITE "*****THE
    BATTLESHIP
    GAME*****";
    WRITE "1. Fàcil 2. Difícil 3. Molt Compicat Qualsevol altre
    número. No m'hi atreveixo (SORTIR)";
    WRITE "Selecciona una dificultat:";
    READ dificultat;
    switch (dificultat);
        case 1:
            WRITE "Has seleccionat dificultat: Difícil";
            WRITE "A B C D E F G H I J";
            for i:= 0 to ROWS do
                count=i+1
                WRITE count;
                for j:= 0 to COLS do
                    WRITE "[ ]";
                    j=j+1;
                endfor
                i=i+1;
            endfor
            do
                WRITE "Introdueix la fila:"
                READ fila;
                fila=fila-1;
            while fila<0 || fila>9;
            do
                WRITE "Introdueix la columna:"
                READ columna;
                if columna == 65 || columna == 98 then;
                    col = 0;
                else
                    if columna == 66 || columna == 98 then;
                        col = 1;
                    endif
                else
                    if columna == 67 || columna == 99 then;
                        col = 2;
                    endif
                else
                    if columna == 68 || columna == 100 then;
                        col = 3;
                    endif
                endif
            endfor
        endcase
    endswitch
endfunction
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        else
            if columna == 69 || columna == 101 then;
                col = 4;
            endif
        else
            if columna == 70 || columna == 102 then;
                col = 5;
            endif
        else
            if columna == 71 || columna == 103 then;
                col = 6;
            endif
        else
            if columna == 72 || columna == 104 then;
                col = 7;
            endif
        else
            if columna == 73 || columna == 105 then;
                col = 8;
            endif
        else
            if columna == 74 || columna == 106 then;
                col = 9;
            endif
        endif
    endif
while col<0 || col>9;
if fila == 1 && col == 8 || fila == 2 && col == 2
|| fila == 2 && col == 4 || fila == 2 && col == 5
|| fila == 2 && col == 8 || fila == 3 && col == 2
|| fila == 3 && col == 8 || fila == 4 && col == 2
|| fila == 5 && col == 4 || fila == 5 && col == 5
|| fila == 5 && col == 6 || fila == 5 && col == 7
|| fila == 8 && col == 2 || fila == 8 && col == 3
|| fila == 8 && col == 4 || fila == 8 && col == 5
|| fila == 8 && col == 6 then;
    WRITE "A B C D E F G H I J";
    for i:= 0 to ROWS do
        count=i+1
        WRITE count;
        for j:= 0 to COLS do
            if i=fila && j=col then;
                WRITE "[* ]";
            else
                WRITE "[ ]";
            endif
            j=j+1;
        endfor
        i=i+1;
    endfor
endwhile

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        endfor
    else
        WRITE "A B C D E F G H I J";
        for i:= 0 to ROWS do
            count=i+1
            WRITE count;
            for j:= 0 to COLS do
                WRITE "[ ]";
                j=j+1;
            endfor
            i=i+1;
        endfor
    endif
break;
case 2:
    WRITE "Has seleccionat dificultat: Difícil";
    WRITE "A B C D E F G H I J";
    for i:= 0 to ROWS do
        count=i+1
        WRITE count;
        for j:= 0 to COLS do
            WRITE "[ ]";
            j=j+1;
        endfor
        i=i+1;
    endfor
do
    WRITE "Introdueix la fila:"
    READ fila;
    fila=fila-1;
while fila<0 || fila>9;
do
    WRITE "Introdueix la columna:"
    READ columna;
    if columna == 65 || columna == 98 then;
        col = 0;
    else
        if columna == 66 || columna == 98 then;
            col = 1;
        endif
    else
        if columna == 67 || columna == 99 then;
            col = 2;
        endif
    else
        if columna == 68 || columna == 100 then;
            col = 3;
        endif
    endif
endif

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        else
            if columna == 69 || columna == 101 then;
                col = 4;
            endif
        else
            if columna == 70 || columna == 102 then;
                col = 5;
            endif
        else
            if columna == 71 || columna == 103 then;
                col = 6;
            endif
        else
            if columna == 72 || columna == 104 then;
                col = 7;
            endif
        else
            if columna == 73 || columna == 105 then;
                col = 8;
            endif
        else
            if columna == 74 || columna == 106 then;
                col = 9;
            endif
        endif
    endif
while col<0 || col>9;
if fila == 1 && col == 8 || fila == 2 && col == 2
|| fila == 2 && col == 4 || fila == 2 && col == 5
|| fila == 2 && col == 8 || fila == 3 && col == 2
|| fila == 3 && col == 8 || fila == 4 && col == 2
|| fila == 5 && col == 4 || fila == 5 && col == 5
|| fila == 5 && col == 6 || fila == 5 && col == 7
|| fila == 8 && col == 2 || fila == 8 && col == 3
|| fila == 8 && col == 4 || fila == 8 && col == 5
|| fila == 8 && col == 6 then;
    WRITE "A B C D E F G H I J";
    for i:= 0 to ROWS do
        count=i+1
        WRITE count;
        for j:= 0 to COLS do
            if i=fila && j=col then;
                WRITE "[* ]";
            else
                WRITE"[ ]";
            endif
            j=j+1;
        endfor
        i=i+1;
    endfor
endwhile

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        endfor
    else
        WRITE "A B C D E F G H I J";
        for i:= 0 to ROWS do
            count=i+1
            WRITE count;
            for j:= 0 to COLS do
                WRITE "[ ]";
                j=j+1;
            endfor
            i=i+1;
        endfor
    endif

break;
case 3:
    WRITE "Has seleccionat dificultat: Difícil";
    WRITE "A B C D E F G H I J";
    for i:= 0 to ROWS do
        count=i+1
        WRITE count;
        for j:= 0 to COLS do
            WRITE "[ ]";
            j=j+1;
        endfor
        i=i+1;
    endfor
do
    WRITE "Introdueix la fila:"
    READ fila;
    fila=fila-1;
while fila<0 || fila>9;
do
    WRITE "Introdueix la columna:"
    READ columna;
    if columna == 65 || columna == 98 then;
        col = 0;
    else
        if columna == 66 || columna == 98 then;
            col = 1;
        endif
    else
        if columna == 67 || columna == 99 then;
            col = 2;
        endif
    else
        if columna == 68 || columna == 100 then;
            col = 3;
        endif
    endif
enddo

```

```

endif
    else
    if columna == 69 || columna == 101 then;
        col = 4;
    endif
    else
    if columna == 70 || columna == 102 then;
        col = 5;
    endif
    else
    if columna == 71 || columna == 103 then;
        col = 6;
    endif
    else
    if columna == 72 || columna == 104 then
        col = 7;
    endif
    else
    if columna == 73 || columna == 105 then;
        col = 8;
    endif
    else
    if columna == 74 || columna == 106 then;
        col = 9;
    endif
    endif
endif
while col<0 || col>9;
if fila == 1 && col == 8 || fila == 2 && col == 2
|| fila == 2 && col == 4 || fila == 2 && col == 5
|| fila == 2 && col == 8 || fila == 3 && col == 2
|| fila == 3 && col == 8 || fila == 4 && col == 2
|| fila == 5 && col == 4 || fila == 5 && col == 5
|| fila == 5 && col == 6 || fila == 5 && col == 7
|| fila == 8 && col == 2 || fila == 8 && col == 3
|| fila == 8 && col == 4 || fila == 8 && col == 5
|| fila == 8 && col == 6 then;
    WRITE "A B C D E F G H I J";
    for i:= 0 to ROWS do
        count=i+1
        WRITE count;
        for j:= 0 to COLS do
            if i=fila && j=col then;
                WRITE "[* ]";
            else
                WRITE "[ ]";
            endif
            j=j+1;
        endfor
    endfor

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        i=i+1;
    endfor
else
    WRITE "A  B  C  D  E  F  G  H  I  J";
    for i:= 0 to ROWS do
        count=i+1
        WRITE count;
        for j:= 0 to COLS do
            WRITE "[ ]";
            j=j+1;
        endfor
        i=i+1;
    endfor
endif

break;
default:
    WRITE "Fins la propera...";
endswitch
endfunction

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