/\*\*

\* Describes a "word" as an element of a crossword: the word its position its direction (horizontal or vertical).

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\*/

public class Word

{

public String word; // Contains the word

public int x; //contains the row of the word

int y; //contains the column of the word

public char Direction; //the direction of the word in the cross (values 'H' for Horizontal 'V' for Vertical)

/\*\*

\* Creates a word with "position" and "direction" info.

\* newWord - the word

\* newX - the row

\* newY - the column

\* newDirection - the direction (values 'H' for Horizontal 'V' for Vertical)

\*/

public Word(String newWord, int newX,int newY, char newDirection)

{

word=newWord;

x=newX;

y=newY;

Direction=newDirection;

}

/\*\*

\* Returns the direction ('H' for horizontal 'V' for Vertical).

\*/

public char getDirection()

{

return Direction;

}

/\*\*

\* Return the word.

\*/

public java.lang.String getWord()

{

return word;

}

/\*\*

\* Returns the word and the position of word.

\*/

public String getWordInfo()

{

return "Word:"+word+" X="+x+" Y="+y+" Direction="+Direction;

}

/\*\*

\* Returns the row.

\*/

public int getX()

{

return x;

}

/\*\*

\* Returns the column.

\*/

public int getY()

{

return y;

}

}