

Procesamiento de Lenguaje Natural 2026-1

Expresiones Regulares

January 21, 2026

Expediente	Nombre
219208106	Bórquez Guerrero Angel Fernando

The screenshot shows a regular expression testing interface. The top bar displays "REGULAR EXPRESSION" and the pattern `\w+oon`. It also shows "4 matches (52 steps, 95µs)" and a green "gm" button. Below this is a "TEST STRING" input field containing the following words:
goon
spoon
soon
raccoon
con
soen

Figure 1: Respuesta ejercicio 1

The screenshot shows a regular expression testing interface. The top bar displays "REGULAR EXPRESSION" and the pattern `\w+ * \w*`. It shows "6 matches (24 steps, 55µs)" and a green "gm" button. Below this is a "TEST STRING" input field containing the following words:
pit
spot
spate
spate
slap*two
repite

Figure 2: Respuesta ejercicio 2

REGULAR EXPRESSION 4 matches (28 steps, 30µs) ⓘ

```
:/ [br]*[af]+fg\w{1,5}
```

/ gm

TEST STRING

```
affgfking
bafghk
rafgkahe
baffgkit
```

Figure 3: Respuesta ejercicio 3

REGULAR EXPRESSION 4 matches (40 steps, 45µs) ⓘ

```
:/ \d{1,2}+-\d{1,2}=\d{1,2}
```

/ gm

TEST STRING

```
12+-2=10
56+-56=0
0+-0=0
25+-0=25
```

Figure 4: Respuesta ejercicio 4

REGULAR EXPRESSION 3 matches (24 steps, 45µs) ⓘ

```
:/ ([a-z]{3}|\d{3}|[\?\+=\+]{3})[.;]
```

/ gm

TEST STRING

```
cat.
896;;
?+=.
```

abc1

Figure 5: Respuesta ejercicio 5

REGULAR EXPRESSION

4 matches (48 steps, 40µs)

TEST STRING

```
12--3==9+-
+-
6--15==9+-
+-
3++17==20+-
+-
-7++5==2
```

Figure 6: Respuesta ejercicio 6

REGULAR EXPRESSION

5 matches (46 steps, 35µs)

TEST STRING

```
*****+-
+-
***+-
+-
**+-+
+***+-
+-
---+
bcdf
```

Figure 7: Respuesta ejercicio 7

REGULAR EXPRESSION

2 matches (8 steps, 20µs)

TEST STRING

```
Frankwood E. Williams (18 May 1883 -- 24 September 1936) was an American psychiatrist concerned with the science of human nature. His email was frank@gmail.com, he didn't used it much tho. He worked with the National Committee for Mental Hygiene [1] to elevate the science of psychiatry with the goal of lowering the number of mental illness cases through prevention. He also shared the committee's second major goal of helping those patients who were already institutionalized. His life's work included a study of New York county prisons that indicated high rates of mental illness in the inmate populations, as well as showing that the childhood period was a critical time of life for mental health formation. He was influenced by the 1929 stock market crash, and the Soviet Union's structure and politics. [2] Williams was the author of several books: Russia, Youth and the Present Day World (Farrar and Rinehart, Inc. 1934) Social Aspects of Mental Hygiene (Yale University Press, 1925) and the booklet, Reading with a Purpose No. 16 Mental Hygiene (Chicago American Library Association, 1929).
```

Figure 8: Respuesta ejercicio 8 - 1

REGULAR EXPRESSION

```
:/ \d{4}
```

TEST STRING

Frankwood E. Williams (18 May 1883 -- 24 September 1936) was an American psychiatrist concerned with the science of human nature. His email was frank@gmail.com, he didn't used it much tho. He worked with the National Committee for Mental Hygiene[1] to elevate the science of psychiatry with the goal of lowering the number of mental illness cases through prevention. He also shared the committee's second major goal of helping those patients who were already institutionalized. His life's work included a study of New York county prisons that indicated high rates of mental illness in the inmate populations, as well as showing that the childhood period was a critical time of life for mental health formation. He was influenced by the 1929 stock market crash, and the Soviet Union's structure and politics.[2] Williams was the author of several books: Russia, Youth and the Present Day World (Farrar and Rinehart, Inc. 1934) Social Aspects of Mental Hygiene (Yale University Press, 1925) and the booklet, Reading with a Purpose No.16 Mental Hygiene (Chicago American Library Association, 1929).

Figure 9: Respuesta ejercicio 8 - 2

REGULAR EXPRESSION

```
:/ \|([^\(\)]*\|)
```

TEST STRING

Frankwood E. Williams (18 May 1883 -- 24 September 1936) was an American psychiatrist concerned with the science of human nature. His email was frank@gmail.com, he didn't used it much tho. He worked with the National Committee for Mental Hygiene[1] to elevate the science of psychiatry with the goal of lowering the number of mental illness cases through prevention. He also shared the committee's second major goal of helping those patients who were already institutionalized. His life's work included a study of New York county prisons that indicated high rates of mental illness in the inmate populations, as well as showing that the childhood period was a critical time of life for mental health formation. He was influenced by the 1929 stock market crash, and the Soviet Union's structure and politics.[2] Williams was the author of several books: Russia, Youth and the Present Day World (Farrar and Rinehart, Inc. 1934) Social Aspects of Mental Hygiene (Yale University Press, 1925) and the booklet, Reading with a Purpose No.16 Mental Hygiene (Chicago American Library Association, 1929).

Figure 10: Respuesta ejercicio 8 - 3

REGULAR EXPRESSION

```
:/ (a|e|i|o|u)\1
```

TEST STRING

Frankwood E. Williams (18 May 1883 -- 24 September 1936) was an American psychiatrist concerned with the science of human nature. His email was frank@gmail.com, he didn't used it much tho. He worked with the National Committee for Mental Hygiene[1] to elevate the science of psychiatry with the goal of lowering the number of mental illness cases through prevention. He also shared the committee's second major goal of helping those patients who were already institutionalized. His life's work included a study of New York county prisons that indicated high rates of mental illness in the inmate populations, as well as showing that the childhood period was a critical time of life for mental health formation. He was influenced by the 1929 stock market crash, and the Soviet Union's structure and politics.[2] Williams was the author of several books: Russia, Youth and the Present Day World (Farrar and Rinehart, Inc. 1934) Social Aspects of Mental Hygiene (Yale University Press, 1925) and the booklet, Reading with a Purpose No.16 Mental Hygiene (Chicago American Library Association, 1929).

Figure 11: Respuesta ejercicio 8 - 4

REGULAR EXPRESSION

```
:/ ([b-z][B-Z]) {3}
```

TEST STRING

```
Frankwood E. Williams (18 May 1883 -- 24 September 1936) was an American psychiatrist concerned with the science of human nature. His email was frank@gmail.com, he didn't use it much tho. He worked with the National Committee for Mental Hygiene[1] to elevate the science of psychiatry with the goal of lowering the number of mental illness cases through prevention. He also shared the committee's second major goal of helping those patients who were already institutionalized. His life's work included a study of New York county prisons that indicated high rates of mental illness in the inmate populations, as well as showing that the childhood period was a critical time of life for mental health formation. He was influenced by the 1929 stock market crash, and the Soviet Union's structure and politics.[2] Williams was the author of several books: Russia, Youth and the Present Day World (Farrar and Rinehart, Inc. 1934) Social Aspects of Mental Hygiene (Yale University Press, 1925) and the booklet, Reading with a Purpose No.16 Mental Hygiene (Chicago American Library Association, 1929).
```

Figure 12: Respuesta ejercicio 8 - 5

REGULAR EXPRESSION

```
:/ \b([b-z][B-Z]) {3}
```

TEST STRING

```
Frankwood E. Williams (18 May 1883 -- 24 September 1936) was an American psychiatrist concerned with the science of human nature. His email was frank@gmail.com, he didn't use it much tho. He worked with the National Committee for Mental Hygiene[1] to elevate the science of psychiatry with the goal of lowering the number of mental illness cases through prevention. He also shared the committee's second major goal of helping those patients who were already institutionalized. His life's work included a study of New York county prisons that indicated high rates of mental illness in the inmate populations, as well as showing that the childhood period was a critical time of life for mental health formation. He was influenced by the 1929 stock market crash, and the Soviet Union's structure and politics.[2] Williams was the author of several books: Russia, Youth and the Present Day World (Farrar and Rinehart, Inc. 1934) Social Aspects of Mental Hygiene (Yale University Press, 1925) and the booklet, Reading with a Purpose No.16 Mental Hygiene (Chicago American Library Association, 1929).
```

Figure 13: Respuesta ejercicio 8 - 6

REGULAR EXPRESSION

```
:/ [\w\d]+@\w+\.\w+
```

TEST STRING

```
Frankwood E. Williams (18 May 1883 -- 24 September 1936) was an American psychiatrist concerned with the science of human nature. His email was frank@gmail.com, he didn't use it much tho. He worked with the National Committee for Mental Hygiene[1] to elevate the science of psychiatry with the goal of lowering the number of mental illness cases through prevention. He also shared the committee's second major goal of helping those patients who were already institutionalized. His life's work included a study of New York county prisons that indicated high rates of mental illness in the inmate populations, as well as showing that the childhood period was a critical time of life for mental health formation. He was influenced by the 1929 stock market crash, and the Soviet Union's structure and politics.[2] Williams was the author of several books: Russia, Youth and the Present Day World (Farrar and Rinehart, Inc. 1934) Social Aspects of Mental Hygiene (Yale University Press, 1925) and the booklet, Reading with a Purpose No.16 Mental Hygiene (Chicago American Library Association, 1929).
```

Figure 14: Respuesta ejercicio 8 - 7