

# Procesamiento de Lenguaje Natural 2026-1

## Expresiones Regulares

January 21, 2026

Expediente	Nombre
219208106	Bórquez Guerrero Angel Fernando

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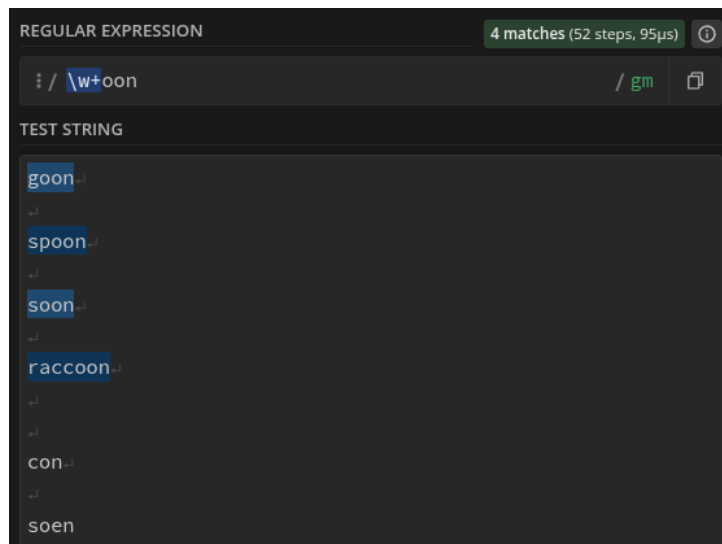


Figure 1: Respuesta ejercicio 1

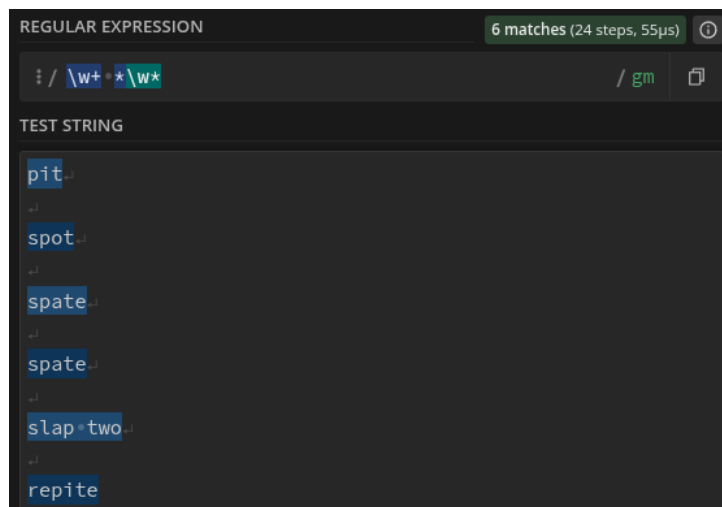


Figure 2: Respuesta ejercicio 2

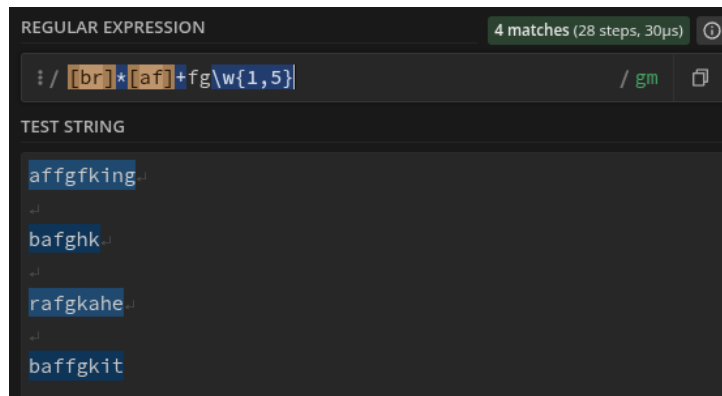


Figure 3: Respuesta ejercicio 3

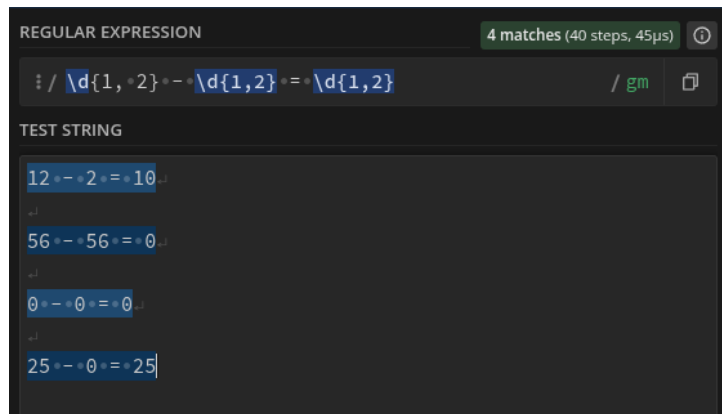


Figure 4: Respuesta ejercicio 4

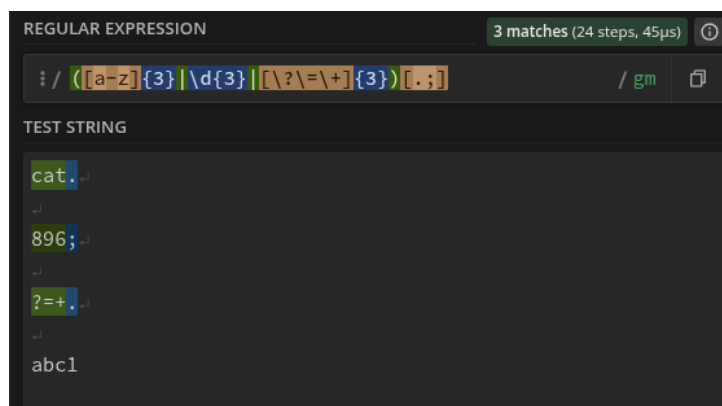


Figure 5: Respuesta ejercicio 5

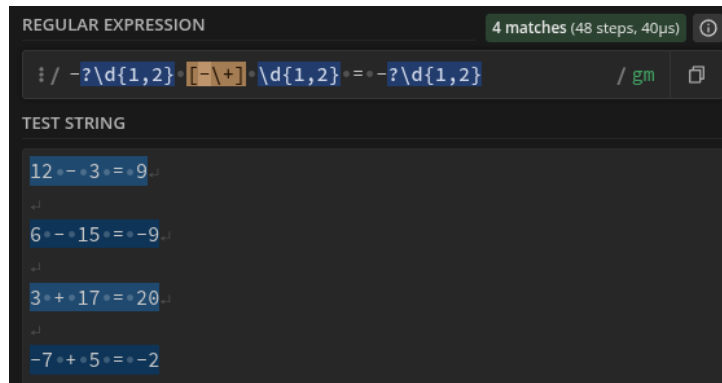


Figure 6: Respuesta ejercicio 6

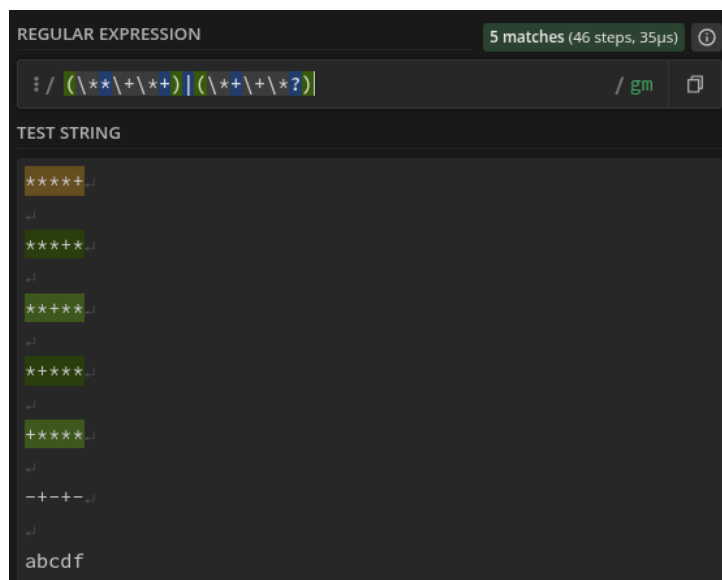


Figure 7: Respuesta ejercicio 7

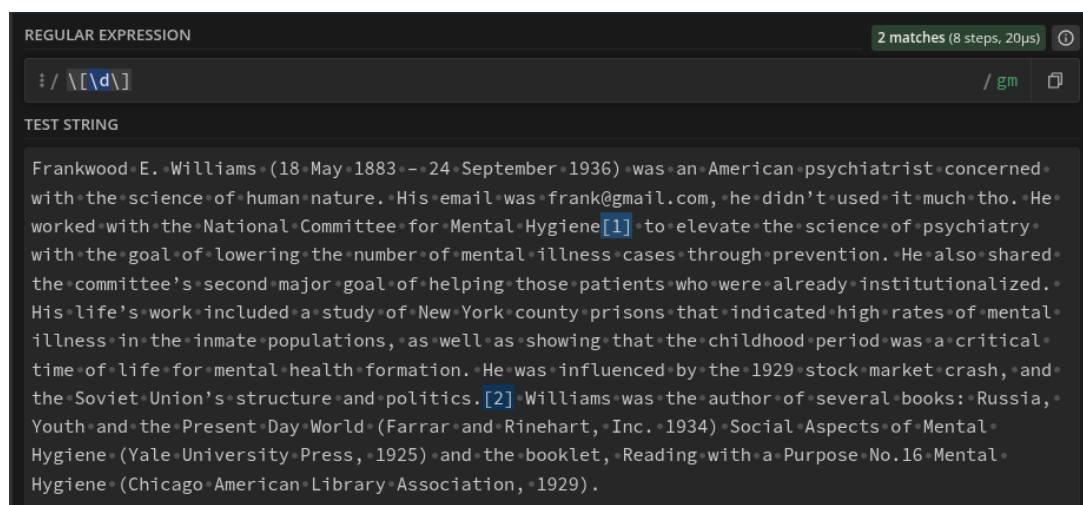


Figure 8: Respuesta ejercicio 8 - 1

REGULAR EXPRESSION

6 matches (20 steps, 40µs)

/ \d{4} / gm

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

4 matches (16 steps, 55µs)

/ \([A-Z])\*\ / gm

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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

6 matches (2,476 steps, 90µs)

/ (a|e|i|o|u)\1 / gm

TEST STRING

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Figure 11: Respuesta ejercicio 8 - 4

REGULAR EXPRESSION 175 matches (3,156 steps, 260µs)

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

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 12: Respuesta ejercicio 8 - 5

REGULAR EXPRESSION 101 matches (1,814 steps, 195µs)

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

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Figure 13: Respuesta ejercicio 8 - 6

REGULAR EXPRESSION 1 match (1,742 steps, 90µs)

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

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Figure 14: Respuesta ejercicio 8 - 7