

```
ec2-user@ip-172-31-1-11:~$  
[ec2-user@ip-172-31-1-11 ~]$  
[ec2-user@ip-172-31-1-11 ~]$  
[ec2-user@ip-172-31-1-11 ~]$  
[ec2-user@ip-172-31-1-11 ~]$ grep bash$ /etc/passwd  
root:x:0:0:root:/root:/bin/bash  
ec2-user:x:1000:1000:cloud User:/home/ec2-user:/bin/bash  
[ec2-user@ip-172-31-1-11 ~]$  
[ec2-user@ip-172-31-1-11 ~]$  
[ec2-user@ip-172-31-1-11 ~]$  
[ec2-user@ip-172-31-1-11 ~]$ vim regex1.txt  
[ec2-user@ip-172-31-1-11 ~]$ cat regex1.txt  
hello hjfhjnkjnkjbckjnbknkncs  
aaaaancdnfjkhjf\  
kanna  
world  
india  
innnnndnsmk  
[ec2-user@ip-172-31-1-11 ~]$ grep k.n regex1.txt  
hello hjfhjnkjnkjbckjnbknkncs  
kanna  
[ec2-user@ip-172-31-1-11 ~]$ grep k..n regex1.txt  
hello hjfhjnkjnkjbckjnbknkncs  
kanna  
[ec2-user@ip-172-31-1-11 ~]$ grep k...a regex1.txt  
kanna  
[ec2-user@ip-172-31-1-11 ~]$
```

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FLAVOR

PCRE2 (PHP >=...) ✓

PCRE (PHP <7.3)

ECMAScript (JavaScript)

Python

Golang

Java 8

.NET (C#)

FUNCTION

REGULAR EXPRESSION

1 match (13 steps, 8.1ms)

TEST STRING

hello.world.i.am.kanna

welcome.to.the.world.of.technology

EXPLANATION

/ of / gm

of matches the characters of literally (case sensitive)

Global pattern flags

g modifier: global. All matches (don't return after first match)

MATCH INFORMATION

Match 1 43-45 of

QUICK REFERENCE

Search reference

All Tokens

Common Token

General Tokens

A single ch... [abc]

A charact... [^abc]

A characte... [a-z]

A charact... [^a-z]

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FUNCTION

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REGULAR EXPRESSION 1 match (27 steps, 0.1ms) / gm

TEST STRING

```
hello.world.iam.kanna
welcome.to.the.world.of.technology
kanna@gmail.com
abcdef
abbbcdf
abbbbccccdddf
bccdhghj
```

EXPLANATION

/ a.c / gm

a matches the character a with index 97₁₀ (61₁₆ or 141₈) literally (case sensitive)

. matches any character (except for line terminators)

c matches the character c with index 99₁₀ (63₁₆)

MATCH INFORMATION

Match 1 75-78 abc

QUICK REFERENCE

Search reference

All Tokens

Common Token...

General Tokens

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FUNCTION

SPONSORS DOPPLER All your environment variables, in one place

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REGULAR EXPRESSION 1 match (50 steps, 0.0ms) / gm

TEST STRING

```
hello.world.iam.kanna
welcome.to.the.world.of.technology
kanna@gmail.com
abcdef
abbbcdf
abbbbccccdddf
bccdhghj
```

EXPLANATION

/ a...c / gm

a matches the character a with index 97₁₀ (61₁₆ or 141₈) literally (case sensitive)

. matches any character (except for line terminators)

c matches the character c with index 99₁₀ (63₁₆)

MATCH INFORMATION

Match 1 90-96 abbbbc

QUICK REFERENCE

Search reference

All Tokens

Common Token...

General Tokens

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FLAVOR

- PCRE2 (PHP >=... ✓)
- PCRE (PHP <7.3)
- ECMAScript (JavaSc...
- Python
- Golang
- Java 8
- .NET (C#)

FUNCTION

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REGULAR EXPRESSION

2 matches (29 steps, 0.1ms)

TEST STRING

```
hello.world+iam+kanna+
welcome+to+the+world+of+technology+
+
kanna@gmail.com+
abddcf+
abbbbccccdddf+
bccdhghj+
abc+
aBc+
```

EXPLANATION

▼ / a [bB] c / gm

a matches the character a with index 97₁₆ (61₁₆ or 141₁₀) literally (case sensitive)

▼ Match a single character present in the list below [bB]

match a single character in the list bB

MATCH INFORMATION

Match	Index	Text
Match 1	112-115	abc
Match 2	116-119	aBc

QUICK REFERENCE

Search reference

- All Tokens
- Common Token...
- General Tokens

A single ch... [abc]

A charact... [^abc]

A characte... [a-z]

A charact... [^a-z]

```
ec2-user@ip-172-31-1-11:~$ cat regex1.txt
hello hjfhjnkjnkjbckjnbknkncs
aaaaaandhfjkhj\
kanna
world
india
innnnndnsmk
abc
aBc
tom
tom
[ec2-user@ip-172-31-1-11 ~]$
[ec2-user@ip-172-31-1-11 ~]$
[ec2-user@ip-172-31-1-11 ~]$ grep tom regex1.txt
tom
[ec2-user@ip-172-31-1-11 ~]$ grep -i tom regex1.txt
tom
tom
tom
[ec2-user@ip-172-31-1-11 ~]$ grep [Tt]om regex1.txt
tom
tom
tom
[ec2-user@ip-172-31-1-11 ~]$
```

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- Python
- Golang
- Java 8
- .NET (C#)

FUNCTION

REGULAR EXPRESSION

3 matches (36 steps, 0.1ms)

TEST STRING

```
hello.world+iam+kanna+
welcome+to+the+world+of+technology+
+
kanna@gmail.com+
abddcf+
abbbbc+
abbbbcdddf+
bccdhghj+
abc+
aBc+
```

EXPLANATION

▼ / abbc / gm

a matches the character a with index 97₁₀ (61₁₆ or 141₈) literally (case sensitive)

▼ b matches the character b with index 98₁₀ (62₁₆ or 142₈) literally (case sensitive)

MATCH INFORMATION

Match	Index	Match
Match 1	82-87	abbbc
Match 2	90-96	abbbc
Match 3	117-118	abc

QUICK REFERENCE

Search reference

- All Tokens
- Common Token...
- General Tokens

SPONSORS

DOPPLER

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- ECMAScript (JavaSc...
- Python
- Golang
- Java 8
- .NET (C#)

FUNCTION

REGULAR EXPRESSION

2 matches (28 steps, 0.1ms)

TEST STRING

```
hello.world+iam+kanna+
welcome+to+the+world+of+technology+
+
kanna@gmail.com+
abddcf+
abbbbc+
abbbbcdddf+
bccdhghj+
abc+
aBc+
```

EXPLANATION

▼ / ab{1,3}c / gm

a matches the character a with index 97₁₀ (61₁₆ or 141₈) literally (case sensitive)

▼ b matches the character b with index 98₁₀ (62₁₆ or 142₈) literally (case sensitive)

MATCH INFORMATION

Match	Index	Match
Match 1	82-87	abbbc
Match 2	112-115	abc

QUICK REFERENCE

Search reference

- All Tokens
- Common Token...
- General Tokens

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REGULAR EXPRESSION `/ [1-9][0-9]{3}+this+is+for+numbers+from+1000- /gm` no match (0 steps, 0.0ms)

TEST STRING

hello.world+iam+kanna+
welcome+to+the+world+of+technology+
kanna@gmail.com+
abdddef+
abbbcdf+
abbbbccdddf+
bccdhghj+
abc+
aBc+
10000+
3333+
456+
73+
849849+

EXPLANATION

`/ [1-9][0-9]{3}+this+is+for+num /gm`
bers+from+1000-9999
Match a single character present in the list below `[1-9]`
`1-9` matches a single character in the range between 1 (index 49) and 9 (index 57)

MATCH INFORMATION

Your regular expression does not match the subject string.
Try launching the debugger to find out why.

QUICK REFERENCE

Search reference A single ch... [abc]
All Tokens A characte... [^abc]
Common Token... A characte... [a-z]
General Tokens A characte... [^a-z]

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FUNCTION

SPONSORS DOPPLER All your environment variables, in one place

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REGULAR EXPRESSION `/ \d+for+all+numbers /gm` no match (0 steps, 0.0ms)

TEST STRING

hello.world+iam+kanna+
welcome+to+the+world+of+technology+
kanna@gmail.com+
abdddef+
abbbcdf+
abbbbccdddf+
bccdhghj+
abc+
aBc+
10000+
3333+
456+
73+
849849+

EXPLANATION

`/ \d+for+all+numbers /gm`
`\d` matches a digit (equivalent to `[0-9]`)
`+for+all+numbers` matches the character `s+for+all+numbers` literally (case sensitive)
Global pattern flags

MATCH INFORMATION

Your regular expression does not match the subject string.
Try launching the debugger to find out why.

QUICK REFERENCE

Search reference A single ch... [abc]
All Tokens A characte... [^abc]
Common Token... A characte... [a-z]
General Tokens A characte... [^a-z]

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- Python
- Golang
- Java 8
- .NET (C#)

FUNCTION

REGULAR EXPRESSION

137 matches (274 steps, 0.3ms)

TEST STRING

```
hello world iam kanna
welcome to the world of technology
kanna@gmail.com
abdddef
abbbcbdf
abbbccccdddf
bccdhghj
abc
aBc
a:b:c:d:fss:
10000
3333
456
73
849849
```

EXPLANATION

/ / gm

d matches any character that's not a digit (equivalent to `[^0-9]`)

Global pattern flags

g modifier: global. All matches (don't return after first match)

MATCH INFORMATION

Match	Start	End	Match
Match 1	0-1	h	
Match 2	1-2	e	

QUICK REFERENCE

Search reference

- A single ch... `[abc]`
- A charact... `[^abc]`
- A characte... `[a-z]`
- A charact... `[^a-z]`

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- ECMAScript (JavaSc...
- Python
- Golang
- Java 8
- .NET (C#)

FUNCTION

REGULAR EXPRESSION

20 matches (40 steps, 0.1ms)

TEST STRING

```
hello world iam kanna
welcome to the world of technology
kanna@gmail.com
abdddef
abbbcbdf
abbbccccdddf
bccdhghj
abc
aBc
a:b:c:d:fss:
10000
3333
456
73
849849
```

EXPLANATION

/ / gm

d matches a digit (equivalent to `[0-9]`)

Global pattern flags

g modifier: global. All matches (don't return after first match)

m modifier: multi line. Causes `^` and `$` to

MATCH INFORMATION

Match	Start	End	Match
Match 1	132-133	1	
Match 2	133-134	0	

QUICK REFERENCE

Search reference

- A single ch... `[abc]`
- A charact... `[^abc]`
- A characte... `[a-z]`
- A charact... `[^a-z]`

SPONSORS

DOPPLER

All your environment variables, in one place

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- ECMAScript (JavaSc...
- Python
- Golang
- Java 8
- .NET (C#)

FUNCTION

SPONSORS DOPPLER All your environment variables, in one place

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REGULAR EXPRESSION 31 matches (62 steps, 0.0ms) / gm

TEST STRING

```
hello world iam kanna
welcome to the world of technology
kanna@gmail.com
abddcf
abbbccdddf
bccdhghj
abc
aBc
a:b:c:dfss:
10000
3333
456
73
849849
```

EXPLANATION

/ / gm

matches any non-word character (equivalent to `[^a-zA-Z0-9_]`)

Global pattern flags

g modifier: global. All matches (don't return after first match)

MATCH INFORMATION

Match	Start	End	Length
Match 1	5	6	2
Match 2	11	12	2

QUICK REFERENCE

Search reference

- All Tokens
- Common Token...
- General Tokens

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- ECMAScript (JavaSc...
- Python
- Golang
- Java 8
- .NET (C#)

FUNCTION

SPONSORS DOPPLER All your environment variables, in one place

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REGULAR EXPRESSION 3 matches (19 steps, 0.2ms) / gm

TEST STRING

```
hello world iam kanna
welcome to the world of technology
kanna@gmail.com
abddcf
abbbccdddf
bccdhghj
abc
aBc
a:b:c:dfss:
10000
3333
456
73
849849
```

EXPLANATION

/ / gm

Match a single character present in the list below `[1-9]`

`1-9` matches a single character in the range between 1 (index 49) and 9 (index 57) (case sensitive)

MATCH INFORMATION

Match	Start	End	Length
Match 1	132	136	10000
Match 2	138	142	3333

QUICK REFERENCE

Search reference

- All Tokens
- Common Token...
- General Tokens

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```
ec2-user@ip-172-31-1-11:~  
[ec2-user@ip-172-31-1-11 ~]$ cat regex1.txt  
hello hjfhjnkjnkjbckjnbknkncs  
aaaaaandhfjkhjf\  
kanna  
world  
india  
innnnndnsmk  
abc  
abc  
Tom  
tom  
knna@gmail.com  
htom  
tomkjh  
  
[ec2-user@ip-172-31-1-11 ~]$  
[ec2-user@ip-172-31-1-11 ~]$  
[ec2-user@ip-172-31-1-11 ~]$ grep '\<tom\>' regex1.txt  
tom  
[ec2-user@ip-172-31-1-11 ~]$ grep '\<Tom\>' regex1.txt  
Tom  
[ec2-user@ip-172-31-1-11 ~]$
```

```
ec2-user@ip-172-31-1-11:~  
[ec2-user@ip-172-31-1-11 ~]$  
[ec2-user@ip-172-31-1-11 ~]$  
[ec2-user@ip-172-31-1-11 ~]$ cat regex1.txt  
hello hjfhjnkjnkjbckjnbknkncs  
aaaaaandhfjkhjf\  
kanna  
world  
india  
innnnndnsmk  
abc  
abc  
Tom  
tom  
knna@gmail.com  
htom  
tomkjh  
  
[ec2-user@ip-172-31-1-11 ~]$ grep '\w*\w*\.\w*' regex1.txt  
knna@gmail.com  
[ec2-user@ip-172-31-1-11 ~]$  
[ec2-user@ip-172-31-1-11 ~]$
```

```
ec2-user@ip-172-31-1-11:~$  
[ec2-user@ip-172-31-1-11 ~]$  
[ec2-user@ip-172-31-1-11 ~]$ cat regex1.txt  
hello hjfhjnkjnkjbckjnbknkncs  
aaaaaandhfjkhjf\  
kanna  
world  
india  
innnnndnsmk  
abc  
abc  
Tom  
tom  
kanna@gmail.com  
htom  
tomkjh  
  
[ec2-user@ip-172-31-1-11 ~]$ grep '\w*\w*\.\w*' regex1.txt  
kanna@gmail.com  
[ec2-user@ip-172-31-1-11 ~]$  
[ec2-user@ip-172-31-1-11 ~]$ vim regex1.txt  
[ec2-user@ip-172-31-1-11 ~]$ grep '\w*\w*\.\w*' regex1.txt  
kanna@gmail.com  
k@.c  
ab@bj.cooom  
ajnk@d.m  
[ec2-user@ip-172-31-1-11 ~]$ grep '\w\{1,\}@w\{1,\}\.\w\{1,\}' regex1.txt  
kanna@gmail.com  
ab@bj.cooom  
ajnk@d.m  
[ec2-user@ip-172-31-1-11 ~]$
```

```
ec2-user@ip-172-31-1-11:~$  
[ec2-user@ip-172-31-1-11 ~]$  
[ec2-user@ip-172-31-1-11 ~]$ cat regex1.txt  
hello hjfhjnkjnkjbckjnbknkncs  
aaaaaandhfjkhjf\  
kanna  
world  
india  
innnnndnsmk  
abc  
abc  
Tom  
tom  
kanna@gmail.com  
htom  
tomkjh  
k@.c  
ab@bj.cooom  
ajnk@d.m  
  
[ec2-user@ip-172-31-1-11 ~]$ sed 1d regex1.txt  
aaaaaandhfjkhjf\  
kanna  
world  
india  
innnnndnsmk  
abc  
abc  
Tom  
tom  
kanna@gmail.com  
htom  
tomkjh  
k@.c  
ab@bj.cooom  
ajnk@d.m  
  
[ec2-user@ip-172-31-1-11 ~]$ removed first line in file |
```

```
ec2-user@ip-172-31-1-11:~$ cat regex1.txt
hello hjfhjnkjnkjbckjnbknkncs
aaaaaandhfjkhjf\
kanna
world
india
innnnndnsmk
abc
abc
Tom
tom
kanna@gmail.com
htom
tomkjh
k@.c
ab@bj.cooom
ajnk@d.m

[ec2-user@ip-172-31-1-11 ~]$ sed 2,5d regex1.txt
hello hjfhjnkjnkjbckjnbknkncs
innnnndnsmk
abc
abc
Tom
tom
kanna@gmail.com
htom
tomkjh
k@.c
ab@bj.cooom
ajnk@d.m

[ec2-user@ip-172-31-1-11 ~]$ removes lines 2,3,4,5
```

```
ec2-user@ip-172-31-1-11:~$ cat regex1.txt
hello hjfhjnkjnkjbckjnbknkncs
aaaaaandhfjkhjf\
kanna
world
india
innnnndnsmk
abc
abc
Tom
tom
kanna@gmail.com
htom
tomkjh
k@.c
ab@bj.cooom
ajnk@d.m

[ec2-user@ip-172-31-1-11 ~]$ sed 3s/[kK][aA][nN][nN][aA]/pop/ regex1.txt
hello hjfhjnkjnkjbckjnbknkncs
aaaaaandhfjkhjf\
pop
world
india
innnnndnsmk
abc
abc
Tom
tom
kanna@gmail.com
htom
tomkjh
k@.c
ab@bj.cooom
ajnk@d.m

[ec2-user@ip-172-31-1-11 ~]$
```

```
ec2-user@ip-172-31-1-11:~$ cat regex1.txt
hello hjfhjnkjnkjbckjnbknknks
aaaaaandhfjkhjf\
kanna
world
india
innnnndnsmk
abc
abc
Tom
tom
kanna@gmail.com
htom
tomkjh
k@c
ab@bj.cooom
ajnk@d.m

[ec2-user@ip-172-31-1-11 ~]$ sed 's/co*m/com/' regex1.txt
hello hjfhjnkjnkjbckjnbknknks
aaaaaandhfjkhjf\
kanna
world
india
innnnndnsmk
abc
abc
Tom
tom
kanna@gmail.com
htom
tomkjh
k@c
ab@bj.cooom
ajnk@d.m

[ec2-user@ip-172-31-1-11 ~]$
```

```
ec2-user@ip-172-31-1-11:~$ 
[ec2-user@ip-172-31-1-11 ~]$ 
[ec2-user@ip-172-31-1-11 ~]$ cat regex1.txt
hello hjfhjnkjnkjbckjnbknknks
aaaaaandhfjkhjf\
kanna
world
india
innnnndnsmk
abc
abc
Tom
tom
kanna@gmail.com
htom
tomkjh
k@c
ab@bj.cooom
ajnk@d.m

[ec2-user@ip-172-31-1-11 ~]$ sed -n '/tom/p' regex1.txt
tom
htom
tomkjh
[ec2-user@ip-172-31-1-11 ~]$ |
```

```
ec2-user@ip-172-31-1-11:~  
hello hjfhjnkjnkjbckjnbknkncs  
aaaaaandhfjkhjf\  
kanna  
world  
india  
innnnndnsmk  
abc  
aBc  
Tom  
tom  
kanna@gmail.com  
htom  
tomkjh  
k@c  
ab@bj.coom  
ajnk@d.m  
  
[ec2-user@ip-172-31-1-11 ~]$ sed -i 's/co\{1,\}m/com/' regex1.txt  
[ec2-user@ip-172-31-1-11 ~]$ cat regex1.txt  
hello hjfhjnkjnkjbckjnbknkncs  
aaaaaandhfjkhjf\  
kanna  
world  
india  
innnnndnsmk  
abc  
aBc  
Tom  
tom  
kanna@gmail.com  
htom  
tomkjh  
k@c  
ab@bj.com  
ajnk@d.m  
  
[ec2-user@ip-172-31-1-11 ~]$
```

```
ec2-user@ip-172-31-1-11:~  
[ec2-user@ip-172-31-1-11 ~]$ cat regex1.txt  
hello hjfhjnkjnkjbckjnbknkncs  
aaaaaandhfjkhjf\  
kanna  
world  
india  
innnnndnsmk  
abc  
aBc  
Tom  
tom  
kanna@gmail.com  
htom  
tomkjh  
k@c  
ab@bj.com  
ajnk@d.m  
  
[ec2-user@ip-172-31-1-11 ~]$ sed -e 's/tom/eric/' -e 's/kanna/john/' regex1.txt  
hello hjfhjnkjnkjbckjnbknkncs  
aaaaaandhfjkhjf\  
john  
world  
india  
innnnndnsmk  
abc  
aBc  
Tom  
eric  
kanna@gmail.com  
heric  
erickjh  
k@c  
ab@bj.com  
ajnk@d.m  
  
[ec2-user@ip-172-31-1-11 ~]$
```

```
ec2-user@ip-172-31-1-11:~$  
[ec2-user@ip-172-31-1-11 ~]$  
[ec2-user@ip-172-31-1-11 ~]$ cat /etc/passwd  
root:x:0:0:root:/root:/bin/bash  
bin:x:1:1:bin:/bin:/sbin/nologin  
daemon:x:2:2:daemon:/sbin:/sbin/nologin  
adm:x:3:4:adm:/var/adm:/sbin/nologin  
lp:x:4:7:lp:/var/spool/lpd:/sbin/nologin  
sync:x:5:0:sync:/sbin:/bin/sync  
shutdown:x:6:0:shutdown:/sbin:/sbin/shutdown  
halt:x:7:0:halt:/sbin:/sbin/halt  
mail:x:8:12:mail:/var/spool/mail:/sbin/nologin  
operator:x:11:0:operator:/root:/sbin/nologin  
games:x:12:100:games:/usr/games:/sbin/nologin  
ftp:x:14:50:FTP User:/var/ftp:/sbin/nologin  
nobody:x:65534:65534:kernel Overflow User:/sbin/nologin  
systemd-coredump:x:999:996:systemd Core Dumper:/sbin/nologin  
dbus:x:81:81:system message bus:/sbin/nologin  
polkitd:x:998:995:User for polkitd:/sbin/nologin  
tss:x:59:59:Account used for TPM access:/dev/null:/sbin/nologin  
sssd:x:997:994:User for sssd:/sbin/nologin  
chrony:x:996:993:/var/lib/chrony:/sbin/nologin  
sshd:x:74:74:Privilege-separated SSH:/usr/share/empty.sshd:/sbin/nologin  
systemd-oom:x:991:991:systemd Userspace OOM Killer:/usr/sbin/nologin  
ec2-user:x:1000:1000:Cloud User:/home/ec2-user:/bin/bash  
[ec2-user@ip-172-31-1-11 ~]$ useradd kanna  
useradd: permission denied.  
useradd: cannot lock /etc/passwd; try again later.  
[ec2-user@ip-172-31-1-11 ~]$ sudo useradd kanna  
[ec2-user@ip-172-31-1-11 ~]$ sudo passwd kanna  
Changing password for user kanna.  
New password:  
BAD PASSWORD: The password contains the user name in some form  
Retype new password:  
passwd: all authentication tokens updated successfully.  
[ec2-user@ip-172-31-1-11 ~]$
```

```
ec2-user@ip-172-31-1-11:~$  
nobody:x:65534:65534:kernel Overflow User:/sbin/nologin  
systemd-coredump:x:999:996:systemd Core Dumper:/sbin/nologin  
dbus:x:81:81:system message bus:/sbin/nologin  
polkitd:x:998:995:User for polkitd:/sbin/nologin  
tss:x:59:59:Account used for TPM access:/dev/null:/sbin/nologin  
sssd:x:997:994:User for sssd:/sbin/nologin  
chrony:x:996:993:/var/lib/chrony:/sbin/nologin  
sshd:x:74:74:Privilege-separated SSH:/usr/share/empty.sshd:/sbin/nologin  
systemd-oom:x:991:991:systemd Userspace OOM Killer:/usr/sbin/nologin  
ec2-user:x:1000:1000:Cloud User:/home/ec2-user:/bin/bash  
kanna:x:1001:1001:/home/kanna:/bin/bash  
[ec2-user@ip-172-31-1-11 ~]$  
[ec2-user@ip-172-31-1-11 ~]$ sed 's/^kanna/' /etc/passwd  
root:x:0:0:root:/root:/bin/bash  
bin:x:1:1:bin:/bin:/sbin/nologin  
daemon:x:2:2:daemon:/sbin:/sbin/nologin  
adm:x:3:4:adm:/var/adm:/sbin/nologin  
lp:x:4:7:lp:/var/spool/lpd:/sbin/nologin  
sync:x:5:0:sync:/sbin:/bin/sync  
shutdown:x:6:0:shutdown:/sbin:/sbin/shutdown  
halt:x:7:0:halt:/sbin:/sbin/halt  
mail:x:8:12:mail:/var/spool/mail:/sbin/nologin  
operator:x:11:0:operator:/root:/sbin/nologin  
games:x:12:100:games:/usr/games:/sbin/nologin  
ftp:x:14:50:FTP User:/var/ftp:/sbin/nologin  
nobody:x:65534:65534:kernel Overflow User:/sbin/nologin  
systemd-coredump:x:999:996:systemd Core Dumper:/sbin/nologin  
dbus:x:81:81:system message bus:/sbin/nologin  
polkitd:x:998:995:User for polkitd:/sbin/nologin  
tss:x:59:59:Account used for TPM access:/dev/null:/sbin/nologin  
sssd:x:997:994:User for sssd:/sbin/nologin  
chrony:x:996:993:/var/lib/chrony:/sbin/nologin  
sshd:x:74:74:Privilege-separated SSH:/usr/share/empty.sshd:/sbin/nologin  
systemd-oom:x:991:991:systemd Userspace OOM Killer:/usr/sbin/nologin  
ec2-user:x:1000:1000:Cloud User:/home/ec2-user:/bin/bash  
x:1001:1001:/home/kanna:/bin/bash  
[ec2-user@ip-172-31-1-11 ~]$
```

```
ec2-user@ip-172-31-1-11:~$ cat /etc/passwd
root:x:0:0:root:/root:/bin/bash
bin:x:1:1:bin:/bin:/sbin/nologin
daemon:x:2:2:daemon:/sbin:/sbin/nologin
adm:x:3:4:adm:/var/adm:/sbin/nologin
lp:x:4:7:lp:/var/spool/lpd:/sbin/nologin
sync:x:5:0:sync:/sbin:/bin/sync
shutdown:x:6:0:shutdown:/sbin:/sbin/shutdown
halt:x:7:0:halt:/sbin:/sbin/halt
mail:x:8:12:mail:/var/spool/mail:/sbin/nologin
operator:x:11:0:operator:/root:/sbin/nologin
games:x:12:100:games:/usr/games:/sbin/nologin
ftp:x:14:50:FTP User:/var/ftp:/sbin/nologin
nobody:x:65534:65534:kernel Overflow User:/sbin/nologin
systemd-coredump:x:999:996:systemd Core Dumper:/sbin/nologin
dbus:x:81:81:system message bus:/sbin/nologin
polkitd:x:998:995:User for polkitd:/sbin/nologin
tss:x:59:59:Account used for TPM access:/dev/null:/sbin/nologin
sssd:x:997:994:User for sssd:/sbin/nologin
chrony:x:996:993:/var/lib/chrony:/sbin/nologin
sshd:x:74:74:Privilege-separated SSH:/usr/share/empty.sshd:/sbin/nologin
systemd-oom:x:991:991:systemd Userspace OOM Killer:/usr/sbin/nologin
ec2-user:x:1000:1000:cloud User:/home/ec2-user:/bin/bash
kanna:x:1001:1001:/home/kanna:/bin/bash
ec2-user@ip-172-31-1-11:~$
```

```
ec2-user@ip-172-31-1-11:~$
ec2-user@ip-172-31-1-11:~$
ec2-user@ip-172-31-1-11:~$ sudo sed -i 's/^kanna//' /etc/passwd
ec2-user@ip-172-31-1-11:~$
ec2-user@ip-172-31-1-11:~$ cat /etc/passwd
root:x:0:0:root:/root:/bin/bash
bin:x:1:1:bin:/bin:/sbin/nologin
daemon:x:2:2:daemon:/sbin:/sbin/nologin
adm:x:3:4:adm:/var/adm:/sbin/nologin
lp:x:4:7:lp:/var/spool/lpd:/sbin/nologin
sync:x:5:0:sync:/sbin:/bin/sync
shutdown:x:6:0:shutdown:/sbin:/sbin/shutdown
halt:x:7:0:halt:/sbin:/sbin/halt
mail:x:8:12:mail:/var/spool/mail:/sbin/nologin
operator:x:11:0:operator:/root:/sbin/nologin
games:x:12:100:games:/usr/games:/sbin/nologin
ftp:x:14:50:FTP User:/var/ftp:/sbin/nologin
nobody:x:65534:65534:kernel Overflow User:/sbin/nologin
systemd-coredump:x:999:996:systemd Core Dumper:/sbin/nologin
dbus:x:81:81:system message bus:/sbin/nologin
polkitd:x:998:995:User for polkitd:/sbin/nologin
tss:x:59:59:Account used for TPM access:/dev/null:/sbin/nologin
sssd:x:997:994:User for sssd:/sbin/nologin
chrony:x:996:993:/var/lib/chrony:/sbin/nologin
sshd:x:74:74:Privilege-separated SSH:/usr/share/empty.sshd:/sbin/nologin
systemd-oom:x:991:991:systemd Userspace OOM Killer:/usr/sbin/nologin
ec2-user:x:1000:1000:cloud User:/home/ec2-user:/bin/bash
:x:1001:1001:/home/kanna:/bin/bash
ec2-user@ip-172-31-1-11:~$
```