Content serach command

#Display Number of Lines before or after search strings

```
ifconfig | grep -A 4 eth0
ifconfig | grep -B 2 UP
```

#Prints number of Lines around match

```
ifconfig | grep -C 0 wlp5s0 # 0 - first LINE
```

#count number of matches

```
ifconfig | grep -c inet6
```

#debugging - helpful (display line number of given string")

```
grep -n "main" test.py
```

```
IoTdev$ grep H iot.txt
Hello
IoTdev$ ls
cp-practice  iot.txt
IoTdev$ ls | grep iot.txt
iot.txt
IoTdev$
```

```
IoTdev$ cat iot.txt | cat | cat | cat
PGDIOT-CDAC-ACTS PUNE
Hello
babdjdjdjdjdjjddjjdjdjdjdjd
```

```
IoTdev$ ifconfig | grep lo
lo: flags=73<UP,LOOPBACK,RUNNING>  mtu 65536
```

```
                    loop  txqueuelen 1000  (Local Loopback)

      IoTdev$ ifconfig | grep lo
      lo: flags=73<UP,LOOPBACK,RUNNING>  mtu 65536
              loop  txqueuelen 1000  (Local Loopback)

      IoTdev$ ifconfig | grep -A 1 ^lo
      lo: flags=73<UP,LOOPBACK,RUNNING>  mtu 65536
              inet 127.0.0.1  netmask 255.0.0.0
      IoTdev$ ifconfig | grep -A 4 ^lo
      lo: flags=73<UP,LOOPBACK,RUNNING>  mtu 65536
              inet 127.0.0.1  netmask 255.0.0.0
              inet6 ::1  prefixlen 128  scopeid 0x10<host>
              loop  txqueuelen 1000  (Local Loopback)
              RX packets 196862  bytes 21602673 (21.6 MB)
      IoTdev$ ifconfig | grep -C 3 ^lo
              TX packets 28649  bytes 4012908 (4.0 MB)
              TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0

      lo: flags=73<UP,LOOPBACK,RUNNING>  mtu 65536
              inet 127.0.0.1  netmask 255.0.0.0
              inet6 ::1  prefixlen 128  scopeid 0x10<host>
              loop  txqueuelen 1000  (Local Loopback)
      IoTdev$ ifconfig | grep -B 3 ^lo
              TX packets 28649  bytes 4012908 (4.0 MB)
              TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0

      lo: flags=73<UP,LOOPBACK,RUNNING>  mtu 65536
```

#Find Hello in iot.txt

```
      IoTdev$ cat iot.txt | grep ^Hello$
      Hello
      IoTdev$ cat test.txt | grep ^hello\$$
      hello$
```

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