Assignment Session 1

1) Command - start-all.sh

Explanation: This command will start all the hdfs daemons. It basically contains two commands like "start-dfs.sh"(which will start all the namenodes and datanodes services etc) and "start-yarn.sh"(which will run all the yarn services consisting of resource manager and node manager etc).

Solution Report:
```
[acadgild@localhost ~]$ start-all.sh
This script is Deprecated. Instead use start-dfs.sh and start-yarn.sh
18/11/08 16:01:32 WARN util.NativeCodeLoader: Unable to load native-
hadoop library for your platform... using builtin-java classes where
applicable
Starting namenodes on [localhost]
localhost: namenode running as process 3477. Stop it first.
localhost: datanode running as process 3609. Stop it first.
Starting secondary namenodes [0.0.0.0]
0.0.0.0: secondarynamenode running as process 3806. Stop it first.
18/11/08 16:01:54 WARN util.NativeCodeLoader: Unable to load native-
hadoop library for your platform... using builtin-java classes where
applicable
starting yarn daemons
resourcemanager running as process 4031. Stop it first.
localhost: nodemanager running as process 4131. Stop it first.
You have new mail in /var/spool/mail/acadgild
```

2) Command:- jps

Explanation: It is meant by Java Virtual machine Process Status tool which will ensure or check the status of all hadoop daemons like namenode, datanode, secondary namenode, resource manager, nodemanager which are running on the machine

Solution Report:
```
[acadgild@localhost ~]$ jps
4131 NodeManager
3477 NameNode
3609 DataNode
3806 SecondaryNameNode
4031 ResourceManager
11103 Jps
```

3)Unix commands like:-

a) pwd : Present Working Directory , this command will tell the machine about the current directory we are in.

Solution Report:
```
[acadgild@localhost ~]$ pwd
/home/acadgild
```

b) ls -ls: This command will show the list of directories or files present in the system in long format and file size.

Solution Report:
```
[acadgild@localhost ~]$ ls -ls
total 52
4 drwxr-xr-x.  5 acadgild acadgild 4096 Nov  9 18:16 Desktop
4 drwxr-xr-x.  2 acadgild acadgild 4096 Feb  2  2018 Documents
4 drwxr-xr-x.  2 acadgild acadgild 4096 Nov  8 16:54 Downloads
4 drwxrwxr-x.  3 acadgild acadgild 4096 Dec 29  2017 eclipse
4 drwxrwxr-x.  3 acadgild acadgild 4096 Jan 16  2018 eclipse-
workspace
4 -rw-rw-r--.  1 acadgild acadgild  120 Nov 15 19:48 file.txt
4 drwxrwxr-x. 13 acadgild acadgild 4096 Feb  9  2018 install
4 drwxr-xr-x.  2 acadgild acadgild 4096 Dec 27  2017 Music
4 drwxr-xr-x.  3 acadgild acadgild 4096 Nov  9 18:18 Pictures
4 drwxr-xr-x.  2 acadgild acadgild 4096 Dec 27  2017 Public
0 -rw-rw-r--.  1 acadgild acadgild    0 Nov 15 19:46 sample1.txt
4 drwxr-xr-x.  2 acadgild acadgild 4096 Dec 27  2017 Templates
4 -rw-rw-r--.  1 acadgild acadgild   16 Nov  5 15:06 test.txt~
4 drwxr-xr-x.  3 acadgild acadgild 4096 Nov  9 18:18 Videos
You have new mail in /var/spool/mail/acadgild
```

c) ps aux: It lists out all the processes running on the system. It also shows the current process and also shows information's about user id, CPU usage, memory usage etc.

Solution Report:
```
[acadgild@localhost ~]$ ps aux
USER       PID %CPU %MEM    VSZ   RSS TTY       STAT START    TIME
COMMAND
root         1  0.1  0.0  19348  1556 ?         Ss   19:25    0:01
/sbin/init
root         2  0.0  0.0      0     0 ?         S    19:25    0:00
[kthreadd]
```

```
root         3  0.0  0.0       0      0 ?          S   19:25   0:00
[migration/0]
root         4  0.0  0.0       0      0 ?          S   19:25   0:00
[ksoftirqd/0]
root         5  0.0  0.0       0      0 ?          S   19:25   0:00
[stopper/0]
root         6  0.0  0.0       0      0 ?          S   19:25   0:00
[watchdog/0]
root         7  0.0  0.0       0      0 ?          S   19:25   0:01
[events/0]
root         8  0.0  0.0       0      0 ?          S   19:25   0:00
[events/0]
root         9  0.0  0.0       0      0 ?          S   19:25   0:00
[events_long/0]
root        10  0.0  0.0       0      0 ?          S   19:25   0:00
[events_power_ef]
root        11  0.0  0.0       0      0 ?          S   19:25   0:00
[cgroup]
root        12  0.0  0.0       0      0 ?          S   19:25   0:00
[khelper]
root        13  0.0  0.0       0      0 ?          S   19:25   0:00
[netns]
root        14  0.0  0.0       0      0 ?          S   19:25   0:00
[async/mgr]
root        15  0.0  0.0       0      0 ?          S   19:25   0:00 [pm]
root        16  0.0  0.0       0      0 ?          S   19:25   0:00
[sync_supers]
root        17  0.0  0.0       0      0 ?          S   19:25   0:00
[bdi-default]
root        18  0.0  0.0       0      0 ?          S   19:25   0:00
[kintegrityd/0]
root        19  0.0  0.0       0      0 ?          S   19:25   0:00
[kblockd/0]
root        20  0.0  0.0       0      0 ?          S   19:25   0:00
[kacpid]
root        21  0.0  0.0       0      0 ?          S   19:25   0:00
[kacpi_notify]
root        22  0.0  0.0       0      0 ?          S   19:25   0:00
[kacpi_hotplug]
root        23  0.0  0.0       0      0 ?          S   19:25   0:00
[ata_aux]
root        24  0.0  0.0       0      0 ?          S   19:25   0:00
[ata_sff/0]
root        25  0.0  0.0       0      0 ?          S   19:25   0:00
[ksuspend_usbd]
```

```
root          26  0.0  0.0       0      0 ?           S    19:25   0:00
[khubd]
root          27  0.0  0.0       0      0 ?           S    19:25   0:00
[kseriod]
root          28  0.0  0.0       0      0 ?           S    19:25   0:00
[md/0]
root          29  0.0  0.0       0      0 ?           S    19:25   0:00
[md_misc/0]
root          30  0.0  0.0       0      0 ?           S    19:25   0:00
[linkwatch]
root          33  0.0  0.0       0      0 ?           S    19:25   0:00
[khungtaskd]
root          34  0.0  0.0       0      0 ?           S    19:25   0:00
[kswapd0]
root          35  0.0  0.0       0      0 ?           SN   19:25   0:00
[ksmd]
root          36  0.0  0.0       0      0 ?           SN   19:25   0:01
[khugepaged]
root          37  0.0  0.0       0      0 ?           S    19:25   0:00
[aio/0]
root          38  0.0  0.0       0      0 ?           S    19:25   0:00
[crypto/0]
root          45  0.0  0.0       0      0 ?           S    19:25   0:00
[kthrotld/0]
root          47  0.0  0.0       0      0 ?           S    19:25   0:00
[kpsmoused]
root          48  0.0  0.0       0      0 ?           S    19:25   0:00
[usbhid_resumer]
root          49  0.0  0.0       0      0 ?           S    19:25   0:00
[deferwq]
root          82  0.0  0.0       0      0 ?           S    19:25   0:00
[kdmremove]
root          83  0.0  0.0       0      0 ?           S    19:25   0:00
[kstriped]
root         194  0.0  0.0       0      0 ?           S    19:25   0:00
[scsi_eh_0]
root         196  0.0  0.0       0      0 ?           S    19:25   0:00
[scsi_eh_1]
root         265  0.0  0.0       0      0 ?           S    19:25   0:00
[kdmflush]
root         267  0.0  0.0       0      0 ?           S    19:25   0:00
[kdmflush]
root         334  0.0  0.0       0      0 ?           S    19:25   0:00
[jbd2/dm-0-8]
```

```
root          335  0.0  0.0       0      0 ?         S     19:25   0:00
[ext4-dio-unwrit]
root          385  0.0  0.0       0      0 ?         S     19:25   0:00
[flush-253:0]
root          436  0.0  0.0   11280   1400 ?         S<s   19:25   0:00
/sbin/udevd -d
root          957  0.0  0.0       0      0 ?         S     19:25   0:00
[jbd2/sda1-8]
root          958  0.0  0.0       0      0 ?         S     19:25   0:00
[ext4-dio-unwrit]
root         1062  0.0  0.0       0      0 ?         S     19:25   0:00
[kauditd]
root         1123  0.0  0.0       0      0 ?         S     19:25   0:00
[ib_addr]
root         1128  0.0  0.0       0      0 ?         S     19:25   0:00
[infiniband/0]
root         1137  0.0  0.0       0      0 ?         S     19:25   0:00
[ib_mcast]
root         1142  0.0  0.0       0      0 ?         S     19:25   0:00
[iw_cm_wq]
root         1147  0.0  0.0       0      0 ?         S     19:25   0:00
[ib_cm/0]
root         1152  0.0  0.0       0      0 ?         S     19:25   0:00
[rdma_cm]
root         1173  0.0  0.0       0      0 ?         S     19:25   0:00
[ipoib_flush]
root         1349  0.0  0.0   29764    872 ?         S<sl  19:25   0:00
auditd
root         1383  0.0  0.0  249152   1652 ?         Sl    19:25   0:00
/sbin/rsyslogd -i /var/run/syslogd.pid -c 5
rpc          1434  0.0  0.0   18980    892 ?         Ss    19:25   0:00
rpcbind
dbus         1454  0.0  0.0   32528   2028 ?         Ssl   19:25   0:01
dbus-daemon --system
root         1468  0.0  0.2  175260   4860 ?         Ssl   19:25   0:00
NetworkManager --pid-file=/var/run/NetworkManager/NetworkMan
root         1475  0.0  0.1   58132   2452 ?         S     19:25   0:00
/usr/sbin/modem-manager
rpcuser      1491  0.0  0.0   23352   1372 ?         Ss    19:25   0:00
rpc.statd
root         1517  0.0  0.0    9116   1564 ?         S     19:25   0:00
/sbin/dhclient -d -4 -sf /usr/libexec/nm-dhcp-client.action
root         1526  0.0  0.0    9116   1568 ?         S     19:25   0:00
/sbin/dhclient -d -4 -sf /usr/libexec/nm-dhcp-client.action
```

```
root       1537  0.0  0.0  45000   712 ?        Ss    19:25   0:00
/usr/sbin/wpa_supplicant -c /etc/wpa_supplicant/wpa_supplica
root       1538  0.0  0.1 189088  3520 ?        Ss    19:25   0:00
cupsd -C /etc/cups/cupsd.conf
root       1572  0.0  0.0   4076   656 ?        Ss    19:25   0:00
/usr/sbin/acpid
68         1591  0.0  0.2  39048  5272 ?        Ssl   19:25   0:00 hald
root       1594  0.0  0.0  20396  1184 ?        S     19:25   0:00
hald-runner
root       1643  0.0  0.0  22516  1128 ?        S     19:25   0:00
hald-addon-input: Listening on /dev/input/event3 /dev/input/
68         1646  0.0  0.0  18004  1056 ?        S     19:25   0:00
hald-addon-acpi: listening on acpid socket /var/run/acpid.so
root       1670  0.0  0.0 386156  1936 ?        Ssl   19:25   0:00
automount --pid-file /var/run/autofs.pid
root       1749  0.0  0.0  66256  1200 ?        Ss    19:25   0:00
/usr/sbin/sshd
ntp        1760  0.0  0.1  30740  2128 ?        Ss    19:25   0:00 ntpd
-u ntp:ntp -p /var/run/ntpd.pid -g
root       1793  0.0  0.0 108352  1532 ?        S     19:25   0:00
/bin/sh /usr/bin/mysqld_safe --datadir=/var/lib/mysql --sock
mysql      1987  0.1 14.7 1291284 303800 ?      Sl    19:25   0:02
/usr/sbin/mysqld --basedir=/usr --datadir=/var/lib/mysql --p
root       2137  0.0  0.1  80964  3444 ?        Ss    19:25   0:00
/usr/libexec/postfix/master
postfix    2143  0.0  0.1  81044  3472 ?        S     19:25   0:00
pickup -l -t fifo -u
postfix    2144  0.0  0.1  81112  3580 ?        S     19:25   0:00 qmgr
-l -t fifo -u
root       2151  0.0  0.1 182900  2376 ?        Ss    19:25   0:00
/usr/sbin/abrtd
root       2178  0.1  0.0 116884  1404 ?        Ss    19:25   0:01
crond
root       2193  0.0  0.0  21104   500 ?        Ss    19:25   0:00
/usr/sbin/atd
root       2222  0.0  0.0  64416  1440 ?        Ss    19:25   0:00
/usr/sbin/certmonger -S -p /var/run/certmonger.pid
root       2261  0.0  0.1 134024  2180 ?        Ssl   19:26   0:00
/usr/sbin/gdm-binary -nodaemon
root       2267  0.0  0.0   4060   544 tty2     Ss+   19:26   0:00
/sbin/mingetty /dev/tty2
root       2270  0.0  0.0   4060   544 tty3     Ss+   19:26   0:00
/sbin/mingetty /dev/tty3
root       2272  0.0  0.0   4060   548 tty4     Ss+   19:26   0:00
/sbin/mingetty /dev/tty4
```

```
root       2274  0.0  0.0   4060    548 tty5      Ss+  19:26   0:00
/sbin/mingetty /dev/tty5
root       2276  0.0  0.0   4060    548 tty6      Ss+  19:26   0:00
/sbin/mingetty /dev/tty6
root       2281  0.0  0.1  12508   2840 ?         S<   19:26   0:00
/sbin/udevd -d
root       2282  0.0  0.1  12640   2852 ?         S<   19:26   0:00
/sbin/udevd -d
root       2297  0.0  0.1 164960   3584 ?         Sl   19:26   0:00
/usr/libexec/gdm-simple-slave --display-id /org/gnome/Displa
root       2300  1.4  2.0 193876  41784 tty1      Rs+  19:26   0:24
/usr/bin/Xorg :0 -br -verbose -audit 4 -auth /var/run/gdm/au
root       2316  0.0  0.1 577708   3332 ?         Sl   19:26   0:00
/usr/sbin/console-kit-daemon --no-daemon
gdm        2386  0.0  0.0  20064    692 ?         S    19:26   0:00
/usr/bin/dbus-launch --exit-with-session
root       2392  0.0  0.1  50212   3036 ?         S    19:26   0:00
/usr/libexec/devkit-power-daemon
root       2437  0.0  0.2  52984   4744 ?         S    19:26   0:00
/usr/libexec/polkit-1/polkitd
rtkit      2445  0.0  0.0 168452   1192 ?         SNl  19:26   0:00
/usr/libexec/rtkit-daemon
root       2451  0.0  0.1 191700   3116 ?         Sl   19:26   0:00 pam:
gdm-password
acadgild   2461  0.0  0.3 229124   6236 ?         Sl   19:26   0:00
/usr/bin/gnome-keyring-daemon --daemonize --login
acadgild   2471  0.0  0.3 257984   6712 ?         Ssl  19:26   0:00
gnome-session
acadgild   2479  0.0  0.0  20064    688 ?         S    19:26   0:00
dbus-launch --sh-syntax --exit-with-session
acadgild   2480  0.0  0.0  32476   1820 ?         Ssl  19:26   0:00
/bin/dbus-daemon --fork --print-pid 5 --print-address 7 --se
acadgild   2554  0.0  0.2 133684   5700 ?         S    19:26   0:00
/usr/libexec/gconfd-2
acadgild   2562  0.0  0.7 533884  14844 ?         Ssl  19:26   0:00
/usr/libexec/gnome-settings-daemon
acadgild   2566  0.0  0.3 286528   8028 ?         Ss   19:26   0:00
seahorse-daemon
acadgild   2569  0.0  0.1 137400   2080 ?         S    19:26   0:00
/usr/libexec/gvfsd
acadgild   2581  0.0  0.6 414516  12688 ?         Sl   19:26   0:01
metacity
acadgild   2588  0.0  0.7 482024  14732 ?         Sl   19:26   0:01
gnome-panel
```

```
acadgild  2591  0.0  0.2 450312  5116 ?         S<sl 19:26   0:00
/usr/bin/pulseaudio --start --log-target=syslog
acadgild  2596  0.0  0.1  94868  2640 ?         S    19:26   0:00
/usr/libexec/pulse/gconf-helper
acadgild  2597  0.5  1.2 950148 25608 ?         Sl   19:26   0:09
nautilus
acadgild  2599  0.0  0.1 696408  3292 ?         Ssl  19:26   0:00
/usr/libexec/bonobo-activation-server --ac-activate --ior-ou
acadgild  2606  0.0  0.6 331892 13140 ?         S    19:26   0:01
/usr/libexec/wnck-applet --oaf-activate-iid=OAFIID:GNOME_Wnc
acadgild  2608  0.0  0.4 316272  9668 ?         S    19:26   0:00
/usr/libexec/trashapplet --oaf-activate-iid=OAFIID:GNOME_Pan
acadgild  2610  0.0  0.1 146416  3084 ?         S    19:26   0:00
/usr/libexec/gvfs-gdu-volume-monitor
acadgild  2612  0.0  0.9 324428 19520 ?         S    19:26   0:00
python /usr/share/system-config-printer/applet.py
root      2614  0.0  0.1  45484  2760 ?         S    19:26   0:00
/usr/libexec/udisks-daemon
acadgild  2616  0.0  0.4 428860  8880 ?         Sl   19:26   0:00
/usr/libexec/evolution/2.32/evolution-alarm-notify
acadgild  2622  0.0  0.2 232184  5816 ?         S    19:26   0:00
/usr/libexec/gnome-user-share
acadgild  2625  0.0  0.1 144188  3108 ?         S    19:26   0:00
/usr/libexec/gvfsd-trash --spawner :1.7 /org/gtk/gvfs/exec_s
acadgild  2627  0.0  0.1 115512  3988 ?         S    19:26   0:00
/usr/libexec/im-settings-daemon
acadgild  2628  0.0  0.3 255484  6812 ?         S    19:26   0:00
/usr/libexec/gdu-notification-daemon
root      2629  0.0  0.0  45220   632 ?         S    19:26   0:00
udisks-daemon: not polling any devices
acadgild  2632  0.0  0.5 309296 10656 ?         S    19:26   0:00 nm-
applet --sm-disable
acadgild  2635  0.0  0.1 151072  2172 ?         S    19:26   0:00
/usr/libexec/gvfs-gphoto2-volume-monitor
acadgild  2637  0.0  0.5 469928 11064 ?         Sl   19:26   0:00 gpk-
update-icon
acadgild  2664  0.0  0.1 232676  2080 ?         Sl   19:26   0:00
/usr/libexec/gvfs-afc-volume-monitor
acadgild  2676  0.0  0.5 933588 10440 ?         Sl   19:26   0:00
/usr/libexec/e-calendar-factory
acadgild  2678  0.0  0.4 261572  8236 ?         S    19:26   0:00
bluetooth-applet
acadgild  2679  0.0  0.2 229836  5612 ?         S    19:26   0:00
/usr/libexec/polkit-gnome-authentication-agent-1
```

```
acadgild  2680  0.0  0.3 295276  6880 ?          S    19:26  0:00
abrt-applet
acadgild  2687  0.0  0.4 285236  9292 ?          S    19:26  0:00
gnome-power-manager
acadgild  2694  0.0  0.2  30400  5440 ?          S    19:26  0:00
/usr/sbin/restorecond -u
acadgild  2723  0.0  0.5 369368 11336 ?          S    19:26  0:00
gnome-volume-control-applet
acadgild  2733  0.0  0.3 264772  6616 ?          Ss   19:26  0:00
gnome-screensaver
acadgild  2815  0.0  0.1  41096  2332 ?          S    19:26  0:00
/usr/libexec/gconf-im-settings-daemon
acadgild  2822  0.0  0.5 393728 11296 ?          S    19:26  0:00
/usr/libexec/gdm-user-switch-applet --oaf-activate-iid=OAFII
acadgild  2823  0.0  0.6 553048 13496 ?          S    19:26  0:00
/usr/libexec/clock-applet --oaf-activate-iid=OAFIID:GNOME_Cl
acadgild  2824  0.0  0.3 291196  8136 ?          S    19:26  0:00
/usr/libexec/notification-area-applet --oaf-activate-iid=OAF
acadgild  2835  0.0  0.6 716200 13412 ?          Sl   19:26  0:00
/usr/libexec/e-addressbook-factory
acadgild  2845  0.0  0.1 137428  2232 ?          S    19:26  0:00
/usr/libexec/gvfsd-burn --spawner :1.7 /org/gtk/gvfs/exec_sp
acadgild  2863  0.0  0.0 135432  1972 ?          S    19:26  0:00
/usr/libexec/gvfsd-metadata
postfix   2900  0.0  0.1  81188  3600 ?          S    19:27  0:00
cleanup -z -t unix -u
postfix   2902  0.0  0.2  81344  4160 ?          S    19:27  0:00
local -t unix
acadgild  3223  0.7  0.6 297224 13752 ?          Sl   19:36  0:08
gnome-terminal
acadgild  3225  0.0  0.0   8224   700 ?          S    19:36  0:00
gnome-pty-helper
acadgild  3226  0.0  0.0 108492  1920 pts/0      Ss   19:36  0:00 bash
acadgild  3382  1.1  6.6 2756020 137188 ?        Sl   19:37  0:11
/usr/java/jdk1.8.0_151/bin/java -Dproc_namenode -Xmx1000m -D
acadgild  3483  0.9  5.0 2746920 103688 ?        Sl   19:37  0:09
/usr/java/jdk1.8.0_151/bin/java -Dproc_datanode -Xmx1000m -D
acadgild  3666  0.6  5.1 2723708 106624 ?        Sl   19:37  0:06
/usr/java/jdk1.8.0_151/bin/java -Dproc_secondarynamenode -Xm
acadgild  3822  1.8  6.2 2909644 127528 pts/0    Sl   19:37  0:18
/usr/java/jdk1.8.0_151/bin/java -Dproc_resourcemanager -Xmx1
acadgild  3925  1.2  5.4 2772756 112804 ?        Sl   19:37  0:12
/usr/java/jdk1.8.0_151/bin/java -Dproc_nodemanager -Xmx1000m
acadgild  4347  0.0  0.1 219800  3000 ?          S    19:40  0:00
/usr/libexec/gvfsd-computer --spawner :1.7 /org/gtk/gvfs/exe
```

```
acadgild   4600   0.6   0.9 387736 18616 ?          S     19:47    0:02
gedit /home/acadgild/sample1.txt
acadgild   4815 10.0   0.0 110252   1148 pts/0    R+    19:54    0:00 ps
aux
You have new mail in /var/spool/mail/acadgild
```

d) touch: Command used to create a blank file. Then using ls -ls command the check whether the file is created or not.
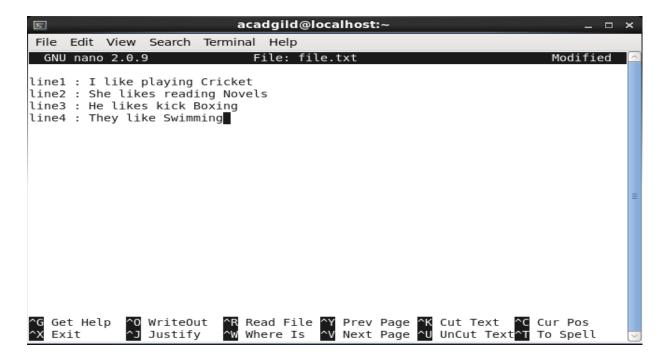
Solution Report:
```
[acadgild@localhost ~]$ touch sample2.txt
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$ ls -ls
total 52
4 drwxr-xr-x.  5 acadgild acadgild 4096 Nov 15 20:14 Desktop
4 drwxr-xr-x.  2 acadgild acadgild 4096 Feb  2  2018 Documents
4 drwxr-xr-x.  2 acadgild acadgild 4096 Nov  8 16:54 Downloads
4 drwxrwxr-x.  3 acadgild acadgild 4096 Dec 29  2017 eclipse
4 drwxrwxr-x.  3 acadgild acadgild 4096 Jan 16  2018 eclipse-
workspace
4 -rw-rw-r--.  1 acadgild acadgild  120 Nov 15 19:48 file.txt
4 drwxrwxr-x. 13 acadgild acadgild 4096 Feb  9  2018 install
4 drwxr-xr-x.  2 acadgild acadgild 4096 Dec 27  2017 Music
4 drwxr-xr-x.  3 acadgild acadgild 4096 Nov  9 18:18 Pictures
4 drwxr-xr-x.  2 acadgild acadgild 4096 Dec 27  2017 Public
0 -rw-rw-r--.  1 acadgild acadgild    0 Nov 15 19:46 sample1.txt
0 -rw-rw-r--.  1 acadgild acadgild    0 Nov 15 20:53 sample2.txt
4 drwxr-xr-x.  2 acadgild acadgild 4096 Dec 27  2017 Templates
4 -rw-rw-r--.  1 acadgild acadgild   16 Nov  5 15:06 test.txt~
4 drwxr-xr-x.  3 acadgild acadgild 4096 Nov  9 18:18 Videos
```

4) To create a file nano test file and writing some content in it and viewing the contents of the file on the terminal

Command: nano file.txt
Explanation: This command is used to create a nano test file inside the local file system and as soon the command is entered the file will open as shown below. Now enter some contents in the file and then save it.

Solution Report:

```
[acadgild@localhost ~]$ nano testfile.txt
You have new mail in /var/spool/mail/acadgild
```

Explanation: Using Command ls to check whether the file i.e file.txt is created in the local file system or not.

Solution Report:

```
[acadgild@localhost ~]$ ls
Desktop     eclipse            install   Public        test.txt~
Documents   eclipse-workspace  Music     sample1.txt  Videos
Downloads   file.txt           Pictures  Templates
You have new mail in /var/spool/mail/acadgild
```

Command: cat file.txt

Explanation: The "cat" keyword is used to view the contents of a file. So by using the above command the contents inside the test file i.e file.txt, contents inside the file will be displayed on the terminal.

Solution Report:

```
[acadgild@localhost ~]$ cat file.txt
line1 : I like playing Cricket
line2 : She likes reading Novels
line3 : He likes kick Boxing
line4 : They like Swimming
```

5) Opening the hdfs web page by typing localhost:50070 in the browser. Checked all the details and health of the HDFS.

Overview 'localhost:8020' (active)

Started:	Thu Nov 15 19:37:22 IST 2018
Version:	2.6.5, re8c9fe0b4c252caf2ebf1464220599650f119997
Compiled:	2016-10-02T23:43Z by sjlee from branch-2.6.5
Cluster ID:	CID-7b3f9bd8-f34c-4fb8-87aa-f76b6dfbd809
Block Pool ID:	BP-437583619-127.0.0.1-1517555661954

Summary

Security is off.

Safemode is off.

46 files and directories, 10 blocks = 56 total filesystem object(s).

Heap Memory used 39.25 MB of 49.44 MB Heap Memory. Max Heap Memory is 966.69 MB.

Non Heap Memory used 41.51 MB of 42.38 MB Commited Non Heap Memory. Max Non Heap Memory is -1 B.

Datanode Information

In operation

Node	Last contact	Admin State	Capacity	Used	Non DFS Used	Remaining	Blocks	Block pool used	Failed Volumes	Version
localhost (127.0.0.1:50010)	2	In Service	17.11 GB	256 KB	11.19 GB	5.91 GB	10	256 KB (0%)	0	2.6.5