

## 1- Create the script file

a) Create a mysearch script file under /usr/local/bin to locate files under /usr/share directory

having size less than 1M.

b) After executing the mysearch script file and listed(searched) files has to be copied under

/root/myfiles.

```
root@localhost:~  
#!/bin/bash  
mkdir -p /root/myfiles  
find /usr/share -type f -size -1M -exec cp {} /root/myfiles/ \;  
~  
~  
~  
~  
~  
~  
~
```

```
root@localhost:~  
[sakar@localhost ~]$ su -  
Password:  
[root@localhost ~]# touch /usr/local/bin/mysearch  
[root@localhost ~]# vi /usr/local/bin/mysearch  
[root@localhost ~]# chmod +x /usr/local/bin/mysearch  
[root@localhost ~]# /usr/local/bin/mysearch  
[root@localhost ~]# ls /root/myfiles  
ca-bundle.legacy.default.crt  Compose      help-trailer.tpl  iso_3166-3.xml  README      XLC_LOCALE  
ca-bundle.legacy.disable.crt  disclaimer    icons              po.js           XI18N_OBJS  
[root@localhost ~]#
```

## 2- Schedule a cronjob for natasha which execute every 3 minutes and print

logger "EX200 running"



4-Configure a cron job for user "bob", cron must runs daily at 2:23pm and inside executes the /usr/bin/echo "welcome".

```
root@localhost:~  
23 14 * * * /usr/bin/echo "welcome|  
~  
~  
~  
~
```

```
root@localhost:~  
[root@localhost ~]# useradd bob  
[root@localhost ~]# crontab -u bob -e  
no crontab for bob - using an empty one  
crontab: installing new crontab  
[root@localhost ~]# |
```

5-The user harry must configure cron job that runs daily at 12:30 local time and execute

/bin/echo "hello".

```
root@localhost:~  
30 12 * * * /bin/echo "hello|  
~  
~  
~
```

```
root@localhost:~
[root@localhost ~]# useradd harry
[root@localhost ~]# crontab -u harry -e
no crontab for harry - using an empty one
crontab: installing new crontab
[root@localhost ~]# |
```

6- Write the command to schedule a task that creates a text file containing "Hello, Exam!" in the path /tmp/exam.txt at 9:30 AM tomorrow

```
root@localhost:~
[root@localhost ~]# echo 'echo "Hello, Exam!" > /tmp/exam.txt' | at 9:30 AM tomorrow
warning: commands will be executed using /bin/sh
job 1 at Sat Feb 21 09:30:00 2026
[root@localhost ~]# |
```

7- Write a crontab entry to schedule a task that runs the backup.sh script located in /home/user/scripts/ every day at 2:00 AM

```
root@localhost:~
0 2 * * * /home/user/scripts/backup.sh
~
~
~
~
~
```

8-Schedule a cron job to run a script located at /home/user/backup.sh every day at 3:00 AM.

```
0 3 * * * /home/user/backup.sh|
~
~
```

9-How would you schedule a cron job to delete files from the /tmp directory every Sunday at midnight?

```
root@localhost:~
0 0 * * 0 rm -f /tmp/*|
~
~
```

10-Write a crontab entry that appends the current date and time to a file located at /home/user/timestamps.log every hour

```
root@localhost:~
0 * * * * date >> /home/user/timestamps.log|
~
~
```

11-Schedule a cron job to run a command that pings google.com and saves the output to

/home/user/ping\_results.txt every 15 minutes

```
root@localhost:~
*/15 * * * * ping -c 4 google.com >> /home/user/ping_results.txt|
~
~
~
```