1. write a script to print the date and redirect it to output.txt?

```
cfi_20@LAPTOP-A4FRJICM:~$ nano datescript.sh
cfi_20@LAPTOP-A4FRJICM:~$ bash datescript.sh
cfi_20@LAPTOP-A4FRJICM:~$ cat output.txt
Fri Nov 18 15:20:31 IST 2022
cfi_20@LAPTOP-A4FRJICM:~$ 
```

datescript.sh

```
echo "$(date)"    > output.txt
```

2. create a file or folder using the date as the name?

```
cfi_20@LAPTOP-A4FRJICM:~$ mkdir "$(date)"
```

3. i) Create a bash script to print the local time, date, username of your system, and your current path.

```
cfi_20@LAPTOP-A4FRJICM:~$ nano print.sh
cfi_20@LAPTOP-A4FRJICM:~$ bash print.sh
time and date 16-07-50 18-11-22 username cfi_20 /home/cfi_20
```

```
echo "time and date $(date +"%H-%M-%S %d-%m-%y") username $(whoami) $(pwd)"
```

ii) After printing, redirect the output into a file called output.txt

```
amber@DESKTOP-21ETFMM:~$ echo "print this and redirect to output.txt" | tee  output.txt
print this and redirect to output.txt
```

iii) Insert output.txt into a new directory, where the directory name is the current timestamp.

```
amber@DESKTOP-21ETFMM:~$ mkdir     "$(date)";mv output.txt "$_"
```

4. Create a bash script to execute the date every 2 minutes once on Saturdays only.

```
amber@DESKTOP-21ETFMM:~$ nano printdate.sh
amber@DESKTOP-21ETFMM:~$ chmod 777 printdate.sh
amber@DESKTOP-21ETFMM:~$ sudo service cron start
 * Starting periodic command scheduler cron
amber@DESKTOP-21ETFMM:~$ crontab -e
```

printdate.sh

```
echo "$(date)"
```

Crontab schedule

```
*/2 * * * 6  ~/printdate.sh
```

5. Take a backup of a folder every month twice?

```
amber@DESKTOP-21ETFMM:~$ mkdir tobebackup backupfolder
amber@DESKTOP-21ETFMM:~$ touch tobebackup/dummy.txt
amber@DESKTOP-21ETFMM:~$ nano backup.sh
amber@DESKTOP-21ETFMM:~$ crontab -e
```

Backup.sh

```
cp    ~/tobebackup/*  ~/backupfolder/
```

Crontab scheduler

```
0 0 1,15 * * ~/backup.sh
```

6. Create a file with the current timestamp as its name inside a folder with the current date as its name?

```
amber@DESKTOP-21ETFMM:~$ mkdir "$(date +"%d-%m-%y")";touch "$_"/"$(date +"%H-%M-%S")".txt
```