

RIPHAH INTERNATIONAL UNIVERSITY, ISLAMABAD



**Bachelors of Computer Science – 6th
Semester**

Subject: Operating System

LAB # 5

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QUESTION 1

```
ammara@ammara-HP-ProBook-430-G2:~$ date +%I:%M:%S %p"
11:34:32 AM
ammara@ammara-HP-ProBook-430-G2:~$ date +%B %d %Y"
September 16 2024
ammara@ammara-HP-ProBook-430-G2:~$ date +%A"
Monday
ammara@ammara-HP-ProBook-430-G2:~$ date +%m"
09
ammara@ammara-HP-ProBook-430-G2:~$ date +%y"
24
ammara@ammara-HP-ProBook-430-G2:~$ █
```

QUESTION 2

```
ammara@ammara-HP-ProBook-430-G2:~$ date +%Y"
2024
```

QUESTION 3

```
ammara@ammara-HP-ProBook-430-G2:~$ date +%d-%m-%Y %H:%M:%S"
16-09-2024 11:40:09
```

QUESTION 4

```
ammara@ammara-HP-ProBook-430-G2:~$ date -d "yesterday" +%Y-%m-%d"
2024-09-15
```

QUESTION 5

```
ammara@ammara-HP-ProBook-430-G2:~$ date -d "tomorrow" +%Y-%m-%d"
2024-09-17
```

QUESTION 6

```
ammara@ammara-HP-ProBook-430-G2:~$ date -d "10 days ago" +"%Y-%m-%d"  
2024-09-06
```

QUESTION 7

```
2024-09-06  
ammara@ammara-HP-ProBook-430-G2:~$ cal  
September 2024  
Su Mo Tu We Th Fr Sa  
1 2 3 4 5 6 7  
8 9 10 11 12 13 14  
15 16 17 18 19 20 21  
22 23 24 25 26 27 28  
29 30
```

QUESTION 8

```
ammara@ammara-HP-ProBook-430-G2:~$ cal 05 2024  
May 2024  
Su Mo Tu We Th Fr Sa  
1 2 3 4  
5 6 7 8 9 10 11  
12 13 14 15 16 17 18  
19 20 21 22 23 24 25  
26 27 28 29 30 31
```

QUESTION 9

```
GNU nano 6.2                                routine_task.sh
#!/bin/bash

# Display the welcoming message with the current date and time
echo "Welcome! The current date and time is: $(date)"

# Clear the terminal screen to keep it uncluttered
clear

```

```
ammara@ammara-HP-ProBook-430-G2:~$ nano routine_task.sh
ammara@ammara-HP-ProBook-430-G2:~$
ammara@ammara-HP-ProBook-430-G2:~$ chmod +x routine_task.sh
ammara@ammara-HP-ProBook-430-G2:~$ nano routine_task.sh
ammara@ammara-HP-ProBook-430-G2:~$ ./routine_task.sh
Welcome! The current date and time is: Mon Sep 16 12:01:23 PM EAT 2024

```

QUESTION 10

```
ammara@ammara-HP-ProBook-430-G2:~$ sort -r data.text
orange
kiwi
banana
apple
```

```
ammara@ammara-HP-ProBook-430-G2:~$ cat > records.txt
1 Alice 30
2 Bob 25
3 Charlie 35
4 David 30
```

^C

```
ammara@ammara-HP-ProBook-430-G2:~$ sort -k2 records.txt
```

```
1 Alice 30
2 Bob 25
3 Charlie 35
4 David 30
```

```
ammara@ammara-HP-ProBook-430-G2:~$ sort -k2 -r records.txt
4 David 30
3 Charlie 35
2 Bob 25
1 Alice 30
```

