

## 28 date format

```
#!/bin/bash
```

```
# Get the full date-time information
```

```
FULL_DATE=$(date +"%a %b %d %H:%M:%S %Z %Y")
```

```
# Extract date in different formats
```

```
DATE_1=$(date +"%d-%m-%y") # Format: 24-08-98
```

```
DATE_2=$(date +"%m/%d/%y") # Format: 08/24/98
```

```
# Extract time in different formats
```

```
TIME_1=$(date +"%H - %M - %S") # Format: 09 - 30 - 31
```

```
TIME_2=$(date +"%H:%M:%S") # Format: 09:30:31
```

```
# Get number of days elapsed in the year
```

```
DAYS_ELAPSED=$(date +"%j") # Day of the year (1-365)
```

```
# Get serial number of the day (week-based, where Sunday=1)
```

```
DAY_SERIAL=$(date +"%U") # Week number of the year
```

```
# Get day and date in required format
```

```
DAY_DATE=$(date +"%a %b %d, %Y") # Format: Tue Aug 24, 1998
```

```
# Get time in AM/PM format
```

```
TIME_AM_PM=$(date +"%l:%M:%S %p") # Format: 09:30:31 AM
```

```
# Generate a greeting based on the current hour
```

```
HOUR=$(date +"%H")
```

```
if [ "$HOUR" -lt 12 ]; then
```

```
    GREETING="Good Morning"
```

```
elif [ "$HOUR" -lt 18 ]; then
```

```
    GREETING="Good Afternoon"
```

```
else
```

```
    GREETING="Good Evening"
```

```
fi
```

```
# Display the output
echo " $FULL_DATE"
echo " Date is .....: $DATE_1"
echo " Date is .....: $DATE_2"
echo " Time is .....: $TIME_1"
echo " Time is .....: $TIME_2"
echo " No of days elapsed in this year is : $DAYS_ELAPSED"
echo " Serial no of day ( of week ) is : $DAY_SERIAL"
echo " Day and Date is.....: $DAY_DATE"
echo " Time in the form AM/PM .....: $TIME_AM_PM"
echo " $GREETING"
```