

**SSN COLLEGE OF ENGINEERING, KALAVAKKAM**  
**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**  
**TUTORIAL – 9 Shell scripts**

1. Write a shell script to implement simple calculator with simple operations (add, subtract, multiplication, division) using else-if ladder. Read the required values using prompt option.
2. Write a shell script to find the area of square, rectangle and triangle using switch case. Read the required values using prompt option.
3. Write a shell script to print the current date and time

**Hint:**

```
now="$(date)"
echo $now
day="$(date +%d)"
echo $day
month="$(date +%m)"
echo $month
year="$(date +%Y)"
echo $year.
```

4. Write a shell script to find the number of files and directories in the current working directory.

**Hint:**

```
echo "Hello World!"
var="$(ls)"
echo $var
for file in "$(ls)" ; do
    echo $file
done
```

5. Write a shell script to find the number of files and directories given the date

**Hint**

```
c=0
day1="$(ls -l |cut -c31-33)"
echo $day1
day2="$(date +%d)"
echo $day2
if [ day1 = day2 ];
then
    echo $((c+1))
else
    echo "wrong:"
fi
```

6. Create the following files and change the permissions specified

```
File1 701
File2 400
File3 300
File4 676
```

File5 045

File6 177

File7 234

File8 507

Write a shell script to find the number of readable, writable and executable files