

- 1) Write a Shell script to find the AREA OF CIRCLE

```
#!/bin/bash

echo "enter radius"

read r

echo "3.142*$r*$r"|bc
```

- 2) Write a Shell script to find the BIGGEST OF THREE NUMBERS

```
#!/bin/bash

echo "to find biggest of 3 nums, enter numbers"

echo "enter num 1"

read a

echo "num2"

read b

echo "num3"

read c

if test $a -gt $b && test $a -gt $c
then
    echo " $a is biggest"
else if test $b -gt $a && test $b -gt $c
then
    echo "$b is biggest"
else
    echo "$c is biggest"
fi
fi
```

- 3) Write a Shell script to Check if the number if 0,-ve or +ve

```
#!/bin/bash

echo "enter the number"

read x

if test $x -eq 0
then
    echo "num is 0"
```

```

else if test $x -lt 0
then
    echo "negative"
else test $x -gt 0
    echo "positive"

fi
fi

```

Assignment

- 1) Consider the following program `#!/bin/bash echo "Shell Scripting is Fun!"`
 Modify the above shell script to include a variable. The variable will hold the contents of the message "Shell Scripting is Fun!"

```

#!/bin/bash
a=" shell scripting in fun!"
echo $a

```

- 2) Write a script that executes the command `cat /shadow/try` if the command return a 0 exit status, report "command succeeded" and exit with a 0 exit status. If the command returns a non-zero exit status, report "Command failed" and exit with a 1 exit status.

```

#!/bin/bash
cat tr.txt

if test $? -eq 0
then
    echo "command successful"
else
    echo "command failed"
fi

```

- 3) Write a script to swap two numbers without using temporary variable

```

#!/bin/bash

echo "num1"

```

```
read a
echo "num2"
read b
echo "$a --- $b"
a=$((a+b))
b=$((a-b))
a=$((a-b))
echo "swapped $a -- $b"
```