

# **Beginner Shell Scripting – Solutions**

## Basic Output & Variables

```
#!/bin/bash
echo "Welcome to Linux Shell Scripting"
HOSTNAME=$(hostname)
echo "Hostname: $HOSTNAME"
```

## User Input

```
#!/bin/bash
read -p "Enter your name: " NAME
echo "Hello, $NAME"
```

## File Check

```
#!/bin/bash
read -p "Enter file: " FILE
[ -e "$FILE" ] && echo "Exists" || echo "Not Exists"
```

## File Type

```
#!/bin/bash
read -p "Enter name: " ITEM
if [ -f "$ITEM" ]; then
    echo "File"
elif [ -d "$ITEM" ]; then
    echo "Directory"
else
    echo "Other"
fi
```

## Loops

```
#!/bin/bash
for i in man bear pig; do echo $i; done
```

## Sum 1 to N

```
#!/bin/bash
read N
SUM=0
for ((i=1;i<=N;i++)); do SUM=$((SUM+i)); done
echo $SUM
```