

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
```