

# 11. Variables - Part III

$$4 \times (10^6 - 1) = 999996$$

```
foo=sun
echo $fooshine # $fooshine is undefined
echo ${foo}shine # displays the word "sunshine"
```

null (undefined),  
 null (undefined).

???

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```
#!/bin/sh
echo -en "What is your name [ `whoami` ] "
read myname
if [ -z "$myname" ]; then
    myname=`whoami`
fi
echo "Your name is : $myname"
```

```
echo "-en" # prints -en (bash & csh do). Dash, Bourne &  
# prints , & "\c" . Ksh & "RETURN"  
# prints :  

```

```
steve$ ./name.sh
What is your name [ steve ] RETURN
Your name is : steve
```

...

```
steve$ ./name.sh
What is your name [ steve ] foo
Your name is : foo
```

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```
echo -en "What is your name [ `whoami` ] "  
read myname  
echo "Your name is : ${myname:-`whoami`}"
```

When you run this script, you will see the output of the `whoami` command. If you run the script as root, you will see `root`. If you run the script as a regular user, you will see the username of the user you are running the script as.

```
echo "Your name is : ${myname:-John Doe}"
```

If you run this script as root, you will see `root`. If you run the script as a regular user, you will see `John Doe`. This is because the `whoami` command returns the username of the user you are running the script as, and the `cd` command changes the current directory to the home directory of the user you are running the script as.

## Using and Setting Default Values

The `:-` operator is used to set a default value for a variable. The syntax is `${variable:-default_value}`.

```
echo "Your name is : ${myname:=John Doe}"
```

If you run this script as root, you will see `root`. If you run the script as a regular user, you will see `John Doe`. This is because the `myname` variable is set to `John Doe` if it is not already set. The `cd` command changes the current directory to the home directory of the user you are running the script as.

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