

Creating Output Files:

Introduction:

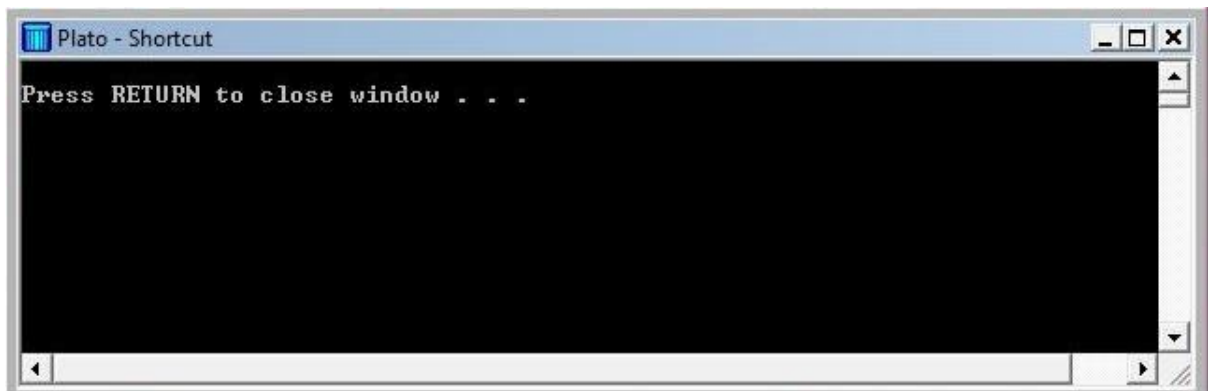
During your research process you will need to generate data and save it in external files, so that it can be validated later, this tutorial gives a quick start.

Step 1:

This code creates a file called OUTPUT.DAT on the same place where the file is compiled from, hence if the file is compiled on the desktop the file would be created on the desktop.

```
PROGRAM JK  
IMPLICIT NONE  
OPEN(UNIT=111,FILE='OUTPUT.DAT',STATUS='UNKNOW')  
CLOSE(111)  
END PROGRAM JK
```

Compiling the program gives:



I am currently compiling the file from my desktop, opening the file OUTPUT.DAT would show the file is empty.



Step 2:

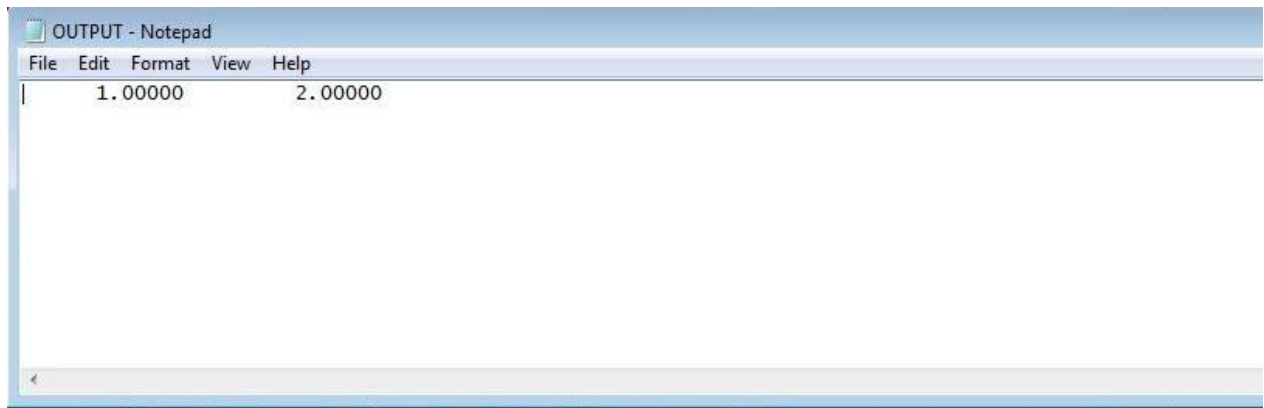
The next step here i add two real variables and then write them into the file

```
PROGRAM JK
IMPLICIT NONE
REAL::A,B
A=1
B=2
OPEN(UNIT=111,FILE='OUTPUT.DAT',STATUS='UNKNOW')
WRITE(111,*) A,B
CLOSE(111)
END PROGRAM JK
```

Compiling the program gives:



The file when opened should have the following data



Step 3:

This modified code gives a better look for the output with comments and splitting lines

```
PROGRAM JK
IMPLICIT NONE
REAL::A,B
A=1
B=2
OPEN(UNIT=111,FILE='OUTPUT.DAT',STATUS='UNKNOW')
WRITE(111,*) '----VALUES:-----'
WRITE(111,*) '----A-----B-----'
WRITE(111,*) A,B
WRITE(111,*) '-----'
CLOSE(111)
END PROGRAM JK
```