File (1A)

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Simple File I/O

```
octave:15> A = [1, 2, 3; 4, 5, 6];
octave:16> B = [10, 20; 30, 40];
octave:17> save "t.dat" A
octave:18> save "t.dat" B          overwrite
octave:19> save "s.dat" A, B       do not use ","
B =

   10   20
   30   40

octave:20> save "s.dat" A B        A & B are written
```

Octave File Format

"t.dat"

```
# Created by Octave 3.8.1, Thu Sep 17 20:35:34
2015 KST <young@Young-System>
# name: B
# type: matrix
# rows: 2
# columns: 2
 10 20
 30 40
```

"s.dat"

```
# Created by Octave 3.8.1, Thu Sep 17 20:36:58
2015 KST <young@Young-System>
# name: A
# type: matrix
# rows: 2
# columns: 3
 1 2 3
 4 5 6


# name: B
# type: matrix
# rows: 2
# columns: 2
 10 20
 30 40
```

Load and Save

```
octave:20> save "s.dat" A B
octave:21> load "s.dat"
octave:22> A
A =

   1   2   3
   4   5   6

octave:23> B
B =

   10   20
   30   40

octave:24>
```

C Style I/O

```
octave:25> fid = fopen("u.dat", "w");
octave:26> fprintf(fid, " %d ", A);
octave:27> fclose(fid);
```

```
1 4 2 5 3 6
```

```
octave:28> A
A =

   1   2   3
   4   5   6
```

```
octave:29> fid = fopen("u.dat", "w");
octave:30> fprintf(fid, " %d %d \n", A);
octave:31> fclose(fid);
```

```
1 4
2 5
3 6
```

Load and Save

```
octave:20> save "s.dat" A B
octave:21> load "s.dat"
octave:22> A
A =

   1   2   3
   4   5   6

octave:23> B
B =

   10   20
   30   40

octave:24>
```

References

[1] Octave Manual