

Console

--> // i be the current in amperes $i=2A$

-->

--> // it flows for time $t=10s$

-->

--> // q be the total charge given by $q=i*t$

-->

--> $i=2;$

-->

--> $t=10;$

-->

--> $q=i*t;$

-->

--> // total charge is 20 coulombs

-->

--> // energy is 2.3KJ (kilo joules)

-->

--> $w=2.3*10^3;$

-->

--> // voltage drop v in volts given by $v=w/q$

-->

--> $v=w/q;$

-->

```
-->disp("v=")
```

```
v=
```

```
-->disp(v)
```

```
115.
```

```
-->units='Volts V'
```

```
units =
```

```
Volts V
```

```
-->v=[string(v) units];
```

```
-->disp(v)
```

```
!115 Volts V !
```

```
-->// in volts V
```

```
-->
```

```
-->
```

```
-->
```

```
-->// voltage drop is 115v
```

```
-->
```