```
> # EPID 674.002 HW 1 | Stephanie Mecham
>
> #Problem 1
>
> #Part 1
> c<-100
> f<-(9/5)*c + 32
> f
[1] 212
>
> #Part 2
> f<-52
> c<-(f-32)*(5/9)
> c
[1] 11.11111
>
>
> #Problem 2
>
> x<-seq(2,20, by=2.0)
> x
 [1]  2  4  6  8 10 12 14 16 18 20
> y<-seq(1,10)
> y
 [1]  1  2  3  4  5  6  7  8  9 10
> x+y
 [1]  3  6  9 12 15 18 21 24 27 30
```

```
> x-y
 [1]  1  2  3  4  5  6  7  8  9 10
> x*y
 [1]   2   8  18  32  50  72  98 128 162 200
> x/y
 [1] 2 2 2 2 2 2 2 2 2 2
>
>
> #Problem 3
>
> x<-(1:100)
> sum (x^2)
[1] 338350
>
> #End of code

>
```