Activity 8 - Lab

1. Re-format the code according to the style guide

```r
prime=function(n){
if(n%%1!=0 | n<0){
return (FALSE)
}else if(n==1){
  return (FALSE)
}else if(n==2){
  return (TRUE)
  }else {
   for(i in 2:(sqrt(n))){
   if(n %% i==0){
   return (FALSE)
}
}
  return (TRUE)
}
}
```

2. Re-format and debug the function **find_runs** that finds consecutive ones in a given vector.

```r
find_runs=function(x,k) {
  n=length(x)
  runs = NULL
  for(i in 1:(n-k)) {
    if(all(x[i:i+k-1]==1)) runs=c(runs,i)
  }
  return (runs)
}

find_runs(c(1,0,0,1,1,0,1,1,1),2)
```

```
## [1] 3 4 6 7
```