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> #2020/12/04(五), 109學年第一學期 資料科學應用 R作業(5)
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> \#ex2.4(a)
> for(i in 1:5){
+ for(j in 1:i){
+ cat(j)
+ }
+ cat("\r\n")
+ }
1
12
123
1234
12345
> #ex2.4(b)
> day <- 1
> for(i in 4:0){
+ for(day in day ){
+ cat(rep(" ", each = i))
   cat(rep((day), (each = day)))
   day <-day +2
+ }
+ cat("\n")
+ }
    1
  333
 55555
777777
99999999
> #ex2.50
> y <- c(25, 49, 95, 178, 264, 327, 373)
> c <- matrix(0, 7, 7)
> for(i in 1:7){
+ for( j in 1:7){
   if(abs(y[i]-y[j])<50)
    c[i , j] <- 100
    else if(abs(y[i]- y[j])<300)
    c[i, j] <- 100 + abs(y[i] - y[j]) -50
+
   else
     c[i , j] <- 400
+ }
+ }
> C
  [,1] [,2] [,3] [,4] [,5] [,6] [,7]
[1,] 100 100 120 203 289 400 400
[2,] 100 100 100 179 265 328 400
[3,] 120 100 100 133 219 282 328
[4,] 203 179 133 100 136 199 245
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- [5,] 289 265 219 136 100 113 159
- [6,] 400 328 282 199 113 100 100
- [7,] 400 400 328 245 159 100 100