**Solutions – Beginner**

1. **80.29 kg** – You could have either found this by opening the advs data frame and using the filter panel, or by using code such as:

# Subset the data for Qn1

qn1 <- advs %>%

filter(USUBJID=="01-701-1023" & ABLFL=="Y" & PARAMCD=="WEIGHT") %>%

select(USUBJID, PARAM, BASE)

1. **-0.44 C** – You could have either found this by opening the advs data frame and using the filter panel, or by using code such as:

# Subset the data for Qn2

qn2 <- advs %>%

filter(USUBJID=="01-701-1028" & VISIT=="WEEK 26" & PARAMCD=="TEMP") %>%

select(USUBJID, PARAM, CHG)

1. Use the same code as before, but change the red extract below in the derive\_extreme\_flag function:

advs2 <- advs\_temp %>%

…

order = vars(ADT, VSSEQ),

…

Use the following code to compare against the advs you created earlier:

library(diffdf)

# Compare 2 data frames advs & advs2 with the key variables USUBJID, PARAMCD, ADT

diffdf(advs, advs2, keys = c("USUBJID", "PARAMCD", "ADT"))

You should see printed to the console:

No issues were found!

This shows there was no impact of the change with the current data.

1. Count the subjects in each AGEGR1 category:

qn4 <- adsl %>%

count(AGEGR1)