Lab\_2

# Questions 1 -2

n = 12345 vec\_1 = sample(12, n, replace = TRUE) head(vec\_1)

vec\_2 <- vec\_1 == 3 vec\_1[vec\_2]

#Questions 3 - 5 n = 12345 vec\_1 = sample(12, n, replace = TRUE) head(vec\_1) length(vec\_1) sum(vec\_1 == 3)

n = 10 vec\_1 = sample(12, n, replace = TRUE) paste0(“Sum of elements with value 3:”, sum(vec\_1 == 3))

# Question 6

for (i in 1:10) { print((paste0(“This is loop iteration:”, i))) }

# Question 7

for (i in 1:n) { print(i) }

# Question 8

n = 17 vec\_1 = c(sample (1:10), length(n)) for (i in 1:n) { print((paste0(“The element of vec\_1 at index”, (i), " is " , i))) }

# Question 9

create\_and\_print\_vec = function(n, min = 1, max = 10) { vec\_3 <- sample(min:max, n, replace = TRUE) for (i in 1:n) print(paste0(“The element of at index”, i, " is " , vec\_3[i])) }