IT23283312 – Lab 03

Question 1

a) c == a + b || !flag
   14 == 6 + 9 || ! 1
    14 == 15 || 0

False

b) a != 7 && flag || c >= 6
   6 != 7 && 1 || 14>= 6

True

c) !(b <= 12) && a % 2 == 0
   !(9 <= 12) && 6 % 2 == 0
   !(9 <= 12) && 0 == 0

False

d) !(a > 5 || c < a + b)
   !(6 > 5 || 14 < 6 + 9)
   !(6 > 5 || 14 < 15)

False

Question 2

a) 18 <= age <= 21
   age >= 18 && age <= 21

b) 0.1 < water < 1.5
    water > 0.1 && water < 1.5

c) year % 4 = 0
   year % 4 == 0

d) !(speed > 55)

e) x < y < z
   x < y && y < z

f) w = 6 || !(w > 3)

Question 3

F – Fingerprint
R – Retina Scan
A – Access Card

(F && R) || (F && A) || (R && A)

Question 4

Section 1 – S1
Section 2 – S2
Section 3 – S3

(S1 >= 70) && (S2 >= 70) && (S3 >= 70) && { [(S1 + S2 + S3) / 3] >= 75 }