**Submission date 🡪 (28 – 10 – 2020)**Calculate the exact count of operations by defining and calculating every step clearly. No false assumption is needed. For every outer loop iteration, do the separate calculation.

**Question # 1  
int x = 10, y = 18, z = 17, count = 0, i, j;**

**for (i = 10; i <= 100; i = i \* 2) {**

**if (count % 3 == 0) count = y;**

**if (count % 4 == 0) count = z;**

**if (count % 2 == 0) count = x;**

**for (j = 1; j <= count; j = j + 2) {**

**count = count – 1;**

**}**

**}  
  
Question # 2**

**int x = 12, y = 10, z = 17, count = 20, i, k ;**

**for (i = 11; i <= 40; i = i + 4) {**

**if (i % 3 == 0) {**

**count = x;**

**for (k = 0; k < 5; k++) {**

**count = count + 2;**

**}**

**}**

**if (i % 5 == 0) {**

**count = z;**

**for (k = 5; k > 0; k = K – 1) {**

**count = count – 1;**

**}**

**}  
 x = count;**

**}**