**Simple programming questions to refresh basic understanding.**

1.What are the values of X and Y after this code fragment executes?

**int X = 52;**

**int Y;**

**if (X == 5) {**

**Y = 2;**

**X = 3;**

**} else {**

**X = 2;**

**Y = 3;**

**}**

**X = 4;**

2. What are the values of X and Y after this code fragment executes?

**int X = 3;**

**int Y = 1;**

**if ((X == 3) && (Y == 2)) {**

**Y = 20;**

**X = 30;**

**} else {**

**X = 2;**

**Y = 3;**

**}**

3. What are the values of X and J after this code fragment executes?

**int J = 0;**

**int X = 0;**

**for (int I = 7; I < 11; I++) {**

**X = I \* 10;**

**if (I > 8) {**

**for (int A = 1; A < 3; A++) {**

**J = J + 1;**

**}**

**}**

**}**

4. What are the values of X and J after this code fragment executes?

**int X = 5;**

**int J = 3;**

**while (J < 7) {**

**X = X + 1;**

**J = J + 1;**

**}**

5. What are the values of X an J after this code fragment executes?

## **int X = 5;**

## **int J = 3;**

## **do {**

## **X = X + 1;**

## **J = J + 1;**

## **} while (X < 8);**