**GROUP 1: Loops**

**a)**

int i = 4;

while (i < n) {

...

i++;

}

int k = 1;

while (k < n) {

...

k \*= 3;

}

**b)**

for(int i = 0; i < n \* n; i += 2) {

for(int k = 2; k < n; k += n) {

...

}

}

**c)**

int i = n;

while(i > 1) {

for(int j = 1; j < n; j \*= 2) {

...

}

i -= n;

}

**d)**

int counter = 1;

while (counter < 7 \* n) {

counter += 2;

}

for(int counter2 = n; counter2 > 0; counter2 /= 2) {

...

}

**e)**

int a = n / 3;

while (a < n) {

int b = 20;

while (b < n) {

b \*= 3;

}

a++;

}