**Example 1**

double mean(int a[], int n) {

sum = 0; (line 1)

i = 0; (line 2)

while (i < n) { (line 3)

sum += a[i]; (line 4)

i++; (line 5)

}

return sum/n; (line 6)

}

**Example 2**

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

System.out.println("Hello world!")

}

**Example 3**

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

for (int j = 0; i < n + 25; j++) {

System.out.println("Hello world!")

}

}

**Example 4**

for (int i = 0; i < n; i++)

a[i]=0;

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

for (int j = 0; i < n + 25; j++) {

System.out.println("Hello world!")

}

}

|  |  |
| --- | --- |
| sum=0;  for (int i=0; i<n; i++)  sum++; | #1 |
| sum=0;  for (int i=0; i<n; i++)  for (int j=0; j<n; j++)  sum++; | #2 |
| sum=0;  for (int i=0; i<n; i++)  for (int j=0; j<n\*n; j++)  sum++; | #3 |
| sum=0;  for (int i=0; i<n; i++)  for (int j=0; j<i; j++)  sum++; | #4 |
| sum=0;  for (int i=0; i<n; i++)  for (int j=0; j<i\*i; j++)  for (int k=0; k<j+100; k++)  sum++; | #5 |
| x=n;  sum=0;  while(x>0){  sum++;  x=x/2;  } | #6 |
| sum=0;  for (int i=1; i<n; i\*=2)  sum++; | #7 |
| for (int i=0; i<n; i+=2){  sum++;  }  for (int j=0; j<n; j++){  sum++;  } | #8 |