

Evaluating JAVA Code, Sample 1:

Part A:

```
int x = 0;
for (int i = 0; i < 10; i = i + 1)
{
    if (i % 3 EQUALS 0)
        x = x + 3;
    else if (i % 2 EQUALS 0)
        x = x + 2;
    else
        x = x + 1;
}
```

What is the final value of x?

Part B:

```
int x = 0;
int y = 10;
while (y < 30)
{
    x = x + 1;
    y = x + y;
}
```

What is the final value of x?

Evaluating JAVA Code, Sample 2:

Part A:

```
int x = 0;
for (int i = 0; i < 10; i = i + 1)
{
    if (i % 4 EQUALS 1)
        x = x + 4;
    else if (i % 2 EQUALS 1)
        x = x + 2;
    else
        x = x + 1;
}
```

What is the final value of x?

Part B:

```
int x = 0;
int y = 10;
while (x + y < 50)
{
    x = y;
    y = x + y;
}
```

What is the final value of x?