

Read the following nested for-loop examples. Write the output for each nested for-loop. Then, create a class that you can use to test your solutions. Were you correct? If so, great work! If not, it is crucial that you re-assess each example and understand the output for each problem!

```
1. for(int i=1 ; i<=4 ; i++)
{
    for(int k=0 ; k<3 ; k++)
        System.out.print((i+k)+" ");
    System.out.println();
}
```

```
2. for(int i=1 ; i<=3 ; i++) {
    for(int m=1 ; m<=5 ; m++)
        System.out.print("@ ");
    System.out.print("\n");
}
```

```
3. for(int i=2 ; i<=3 ; i++)
    if(i%2==0)
        for(int k=1 ; k<=4 ; k++)
        {
            System.out.print(0);
            System.out.print(1);
            if(k==4)
                System.out.println( );
        }
    else if(i%2==1)
        for(int k=1 ; k<=4 ; k++)
        {
            System.out.print(1);
            System.out.print(0);
            if(k==4)
                System.out.println( );
        }
    else
        System.out.print(2);
```

```
4. for(int i=1 ; i<=5 ; i++)
{
    for(int c=1 ; c<=i ; c++)
        System.out.print("X");
    for(int k=1 ; k<=5-i ; k++)
        System.out.print("O");
    System.out.println( );
}
```