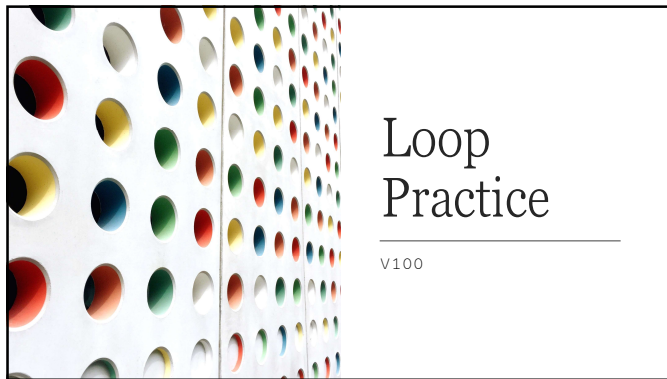




Summing an Array of ints

```
public static void main(String[] args)
{
    int[] nums = new int[100];

    for(int i = 0; i < 100; i++)
    {
        nums[i] = i;
    }

    //compute the sum

    System.out.println("Array Sum = " + sum);
}
```

Question: 1

What would the sum of the array, nums be?

Write a loop to compute the sum.

Summing an Array of ints

```
public static void main(String[] args)
{
    int[] nums = new int[100];

    for(int i = 0; i < 100; i++)
    {
        nums[i] = i;
    }

    //compute the sum
    int sum=0;
    for(int j = 0; j < 100; j++)
    {
        sum = sum + nums[j];
    }
    System.out.println("Array Sum = " + sum);
}
```

Question: 1

A Decrementing For loop

```
public static void main(String[] args)
{
    //Write the loop which realizes the output.
}
```

Question: 2

A Decrementing For loop

```
public static void main(String[] args)
{
    System.out.print("T-minus ");
    for (int i = 5; i >= 1; i--) {
        System.out.print(i + " ");
    }
    System.out.println("Blastoff!");
}
```

Question: 2

Write the loop which realizes the output.

For loop

```
public static void main(String[] args)
{
    for (int i = -3; i <= 2; i++) {
        System.out.println(i);
    }
}
```

Question: 3

What is output on the screen?

for loop

```
public static void main(String[] args)
{
```

```
    for (int i = -3; i <= 2; i++) {
        System.out.println(i);
    }
```

```
}
```

Question: 3

What is output on the screen?



for loop

```
public static void main(String[] args)
{
```

```
    for (int i = 1; i <= 10; ++i) {

        if (i == 5) {
            break;
        }

        System.out.println(i);
    }
```

Question: 4

What is output on the screen?



for loop

```
public static void main(String[] args)
{
```

```
    for (int i = 1; i <= 10; ++i) {

        if (i == 5) {
            break;
        }

        System.out.println(i);
    }
```

Question: 4

What is output on the screen?



nested for loop

```
public static void main(String[] args)
{
```

```
    int rows = 5;
```

```
    // outer loop
    for (int i = 1; i <= rows; ++i) {
```

```
        // inner loop to print the numbers
        for (int j = 1; j <= i; ++j) {
            System.out.print(j + " ");
        }
        System.out.println("");
    }
```

Question: 5

What is output on the screen?



nested for loop

```
public static void main(String[] args)
{
```

```
    int rows = 5;
```

```
    // outer loop
    for (int i = 1; i <= rows; ++i) {
```

```
        // inner loop to print the numbers
        for (int j = 1; j <= i; ++j) {
            System.out.print(j + " ");
        }
        System.out.println("");
    }
```

Question: 5

What is output on the screen?

