

## Exercise 6

1. State the output of the program.

```
float snowFall[] = { 2.5f, 6.7f, 4.02f, 10.7f };
float total = 0.0f;
System.out.println("Month" + "\t" + "Snowfall in cm\n");
for (int month = 0; month < snowFall.length; month++) {
    System.out.println(month + "\t" + snowFall[month]);
    total += snowFall[month];
}
System.out.println("\nTotal snowfall-> " + total);
```

2. State the output of the program.

```
char initials[] = { 'A', 'L', 'C', 'V', 'I' };
char initialsCopy[] = new char[initials.length]; // Clone an array
System.out.print("Original array -> ");
for (int i = 0; i < initials.length; i++)
    System.out.print(initials[i] + "\t");
System.out.println( );
System.arraycopy(initials, 0, initialsCopy, 0, initials.length);
System.out.print("Copied array -> ");
for (int i = 0; i < initials.length; i++)
    System.out.print(initialsCopy[i] + "\t");
System.out.println( );
```

3. State the output of the program. Complete the trace table.

```
int A[] = new int[10];
int sum = 0;
for (int i = 0; i < 6; i++) {
    A[i] = 5 * i - 1;
    sum += A[i];
    if (i % 3 == 0)
        System.out.println( );
    System.out.print(A[i] + "\t");
}
System.out.println("\n\nTotal -> " + sum);
```

i	A[i]	sum

4. Modify the above program to generate the first 20 odd integers starting from 1 and calculate its product. Display the output in rows of 5 numbers.