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SECTION : CSE-3

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Question 1 : Swap two numbers without a temporary variable.

File Name : swap_nums.java

Output:

```
PS C:\Mahindra Notes and schedule\semester 5\OOPS\Lab\lab_works\week-3\class> java swap_nums
Before x = 32; y = 25
After x = 25; y = 32
```

Question 2: Check even or odd.

File Name : even_odd.java

Output:

```
PS C:\Mahindra Notes and schedule\semester 5\OOPS\Lab\lab_works\week-3\class> java even_odd
20 is even
21 is odd
```

Question 3: Leap year checker.

File Name : leap_year.java

Output:

```
PS C:\Mahindra Notes and schedule\semester 5\OOPS\Lab\lab_works\week-3\class> java leap_year
2005 not a leap year
2016 is leap year
```

Question 4: Check for Prime number.

File Name: prime_num.java

Output:

```
PS C:\Mahindra Notes and schedule\semester 5\OOPS\Lab\lab_works\week-3\class> java prime_num
4 not prime
2 is prime
```

Question 5 : bitwise operations

File name : bitwise_op.java

Output:

```
PS C:\Mahindra Notes and schedule\semester 5\OOPS\Lab\lab_works\week-3\class> java bitwise_op
bitwise operation of 12 and 20 is 28
bitwise operation of 6 and 9 is 15
```

Question 6: Temperature Converter

File Name : temp_conv.java

Output:

```
PS C:\Mahindra Notes and schedule\semester 5\OOPS\Lab\lab_works\week-3\class> java temp_conv
6.0C in kelvin is 279.15
6.0C in Farenheit is 42.8
```

Question 7: Calculate area and perimeter

File Name: area_peri.java

Output:

```
PS C:\Mahindra Notes and schedule\semester 5\OOPS\Lab\lab_works\week-3\class> java area_peri
area for circle of radius 12.5 is 490.87378
perimeter for circle of radius 12.5 is 78.5398
area for circle of radius 1.0 is 3.141592
perimeter for circle of radius 1.0 is 6.283184
```

Question 8 : Calculate Compound interest

File Name : compound_interest.java

Output:

```
PS C:\Mahindra Notes and schedule\semester 5\OOPS\Lab\lab_works\week-3\class> java compound_interest
Compound Interest for principal of 1000000.0, rate of 3.0%, number of years : 10 and compounded for 12.0 times is 349353.54719082476
```

THE END