

SANYAM AGRAWAL – SE21UCSE192 - CSE3

OOPS – LabAssignment3

Q1(Swapping of two numbers):

```
C:\Users\pc\Desktop\LabAssig(3)>javac Lab3Q1.java  
C:\Users\pc\Desktop\LabAssig(3)>java Lab3Q1  
Value of 'a' and 'b' after swapping:  
a = 7  
b = 5
```

Q2(Number is Even or Odd):

```
C:\Users\pc\Desktop\LabAssig(3)>javac Lab3Q2.java  
C:\Users\pc\Desktop\LabAssig(3)>java Lab3Q2  
7 is a Odd number
```

Q3(Year is Leap or not):

```
C:\Users\pc\Desktop\LabAssig(3)>javac Lab3Q3.java  
C:\Users\pc\Desktop\LabAssig(3)>java Lab3Q3  
2001 is not a Leap Year
```

Q4(Number is Prime or not):

```
C:\Users\pc\Desktop\LabAssig(3)>javac Lab3Q4.java  
C:\Users\pc\Desktop\LabAssig(3)>java Lab3Q4  
8 is not Prime
```

Q5(Bitwise operations on numbers):

```
C:\Users\pc\Desktop\LabAssig(3)>javac Lab3Q5.java  
C:\Users\pc\Desktop\LabAssig(3)>java Lab3Q5  
Bitwisw operations on 'a' and 'b' are:  
a & b = 1  
a | b = 13  
a ^ b = 12  
~(a) = -6
```

Q6(Temperature calculator):

```
C:\Users\pc\Desktop\LabAssig(3)>javac Lab3Q6.java  
C:\Users\pc\Desktop\LabAssig(3)>java Lab3Q6  
Temperature in fahrenheit is 98.6  
Temperature in Kelvin is 310.15
```

Q7(Area and Perimeter calculator):

```
C:\Users\pc\Desktop\LabAssig(3)>javac Lab3Q7.java

C:\Users\pc\Desktop\LabAssig(3)>java Lab3Q7
CIRCLE - >
Area of Circle = 78.53981633974483
Perimeter of Circle = 31.41592653589793

SQUARE ->
Area of Square = 25.0
Perimeter of square = 20.0
```

Q8(Compound Interest calculator):

```
C:\Users\pc\Desktop\LabAssig(3)>javac Lab3Q8.java

C:\Users\pc\Desktop\LabAssig(3)>java Lab3Q8
Compound Interest is 15246.000000000002
```