COMSATS University Islamabad, Abbottabad Campus

**Department of Computer Science**

# LAB #2

**Object Oriented Programming Class: BSE- 3A**

# Practice Exercises using JAVA

Q1. Senior sales person is paid Rs. 500 a week, and the junior one is paid Rs. 300 a week. Write a program that accepts as input a salesperson status in the character variable ***status.*** If the status is ‘s’ or ‘S’ the senior person salary should be displayed for the whole month, if status is ‘j’ or ‘J’ then junior person salary is displayed for the whole month, otherwise display an error message.

Q2. Write a program to display the sum of the following series up to **n** terms.

1+1/2+1/4+1/6+1/8+……n

Q3. Write a program which show Fibonacci series of n number. For example if n=7 the generated output should look like:

1 1 2 3 5 8 13 so on

Q4. Write a program that takes two integer values base and exponent and calculate the power of exponent without using pre-defined function. For example (2, 3) will show 8. Make sure for every kind of validations.

Q5. Write a program in that input a three digits number and display it in reverse order. For example the number is 789 and output will be 987.

Q6. Write a program that inputs a number and check whether it is palindrome or not. A palindrome is a number that reads the same backwards such as 525 and 53235 and so on.

Q7. Write a program that takes an integer values and suggest the input number is prime or composite.

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