

LAB EXERCISE - CP- BSCS – I FALL 2017

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING AIR UNIVERSITY MULTAN CAMPUS

**PRACTICING IF – ELSE STATEMENTS**

**Q. 1 SIMPLE IF – ELSE**

- Write a program to determine the cost of an automobile insurance premium, based on driver's age and the number of accidents that the driver has had.
- The basic insurance charge is \$500. There is a surcharge of \$100 if the driver is under 25 and an additional surcharge for accidents:

# of accidents      Accident Surcharge

1                      50

2                      125

3                      225

4                      375

5                      575

6 or more          No insurance

- Q. 2** Prompt the user for a number and print good if the number is greater than 5, between 8 & 10 or greater than 33. Otherwise, print bad. Use the | | operator in your if statement.

- Q. 3** Prompt the user for two words. If they are the same, print Great - the same. If they are the same except for the case, print Okay - almost the same. If they are the same length, print At least the same length. You will need the following string functions:

- **compareTo(*otherString*)** (which returns true if matched)
- **compareToIgnoreCase(*otherString*)** (which returns true if matched regardless of case)
- **length()** (which returns the length)

- Q. 4 .** Write a C++ program that prompts the user to input three integer values and find the greatest value of the three values.

**Example output:**

Enter 3 integer vales separated by space: 10 15 20

The greatest value is: 20