M.K.INSTITUTE OF COMPUTER STUDIES
PROGRAMMING IN JAVA
ASSIGMENT 2
Submission Date: 24/02/2015

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1. Write a program to create a base class called publish (publisher_id, pub_name). Create another class called Book which inherit base class with another variables (author_name, book_name, price) and do the following

    a. Create
    b. Search
    c. Display
    d. Exit

2. To create a class called cricketer with data member's cname and number of matches. Create a derived class batsman and bowler from cricketer. Class batsman have data member like total run and member function for initializing data member, calculating average runs and displaying data. Class bowler has members, calculating average wickets and display data.

3. WAP to read marks of three subjects of all respective students from command line. (Create one with student no., mark1, mark2, and mark3). Calculate the percentage (2 digits) of each student & generate a user-defined exception for all percentages below 36. The user exception should handle all percentages between 32 and 35 (both included) and promote them to 36. Finally display all records.

4. WAP to accept 4 command line arguments and then raised the custom exception list if any argument is not from the list. ("BCA", "BBA", "MBA", "OTHER").

5. Write a program to accept Name, Middle Name & Last name separately (use Command line Arguments to read) & perform the following.

    a. Find the length of each string
    b. Print the initials for e.g. "S.M.Kulchandani"
    c. Replace vowels with $ sign
    d. Reverse the first name
    e. Find Total no of times 't' occurred in each string

6. WAP to enter a string. Do the following.

    - Count the total number of vowels.
    - Replace consonants with '#'.
    - Delete a character from given position.
    - Reverse the string.
    - Convert 2nd word in to uppercase.
    - Convert 3rd word in lowercase.

7. WAP to accept 5 names and their salary. Sort the names and their salary in ascending order based on salary.
8. WAP which defines an interface payable with method getpay(). Create class invoice with memory variables (partno, partname, quantity and cost per items). Create an

object away of invoice & invoice inherits the interface payable. Do the followings:

[i] Insert
[ii] Search
[iii] View All
[iv] Exit