ST. XAVIER'S SCHOOL DORANDA, RANCHI

Project Work for Class XII (Computer Science)

First Term:

All the program must be written using class & objects. Write program for

a) Write a program which will input a string and check if it follows Piglatin form or not.
b) Write a program which will input a string and print only those words which are Unique.
c) Write a program which will input a string and print only the middle character of odd length words.
d) Write a program which will input an array and find the second highest.
e) Write a program which will input to input n numbers of names an array. Arrange them into ascending order using selection sort. Print the sorted array.
f) Write a program which will input to input n numbers of data an array. Arrange them in ascending order using selection sort. Input a data and perform Binary Search.
g) Write a program which will input a number. Store all the digits in an array. Print them in ascending order.
h) Write a program using function overloading to check i) number palindrome iii) String Palindrome.
i) Write a program using function overloading to check i) Unique String ii) Unique number.
j) Write a program using function overloading to check i) Neon number ii) HCF of 2 numbers.
k) Write a program to print the following pattern:

PATTERN A	PATTERN B	PATTERN C
A54321	BLUEJ	EDCBA
B4321	LUEJ	DCBA
C321	UEJ	CBA
D21	EJ	BA
E1	J	A

Second Term :

1. Two Programs based on 2D Array
2. Two Programs based on Constructor
3. Two Programs based on String Tokenizer
4. Three Programs based on Object Passng

5. One Program based on Stack.
6. One Program based on Queue.
7. One Program based on Circular Queue.
8. One Program based on File Handling
9. One Program based on Inheritance
10. One Program based on Inheritance with Interface