| 1. | Develop a C++ code for a Bank management system using multiple inheritance. |
| --- | --- |
| Sample Input / output | Enter S for saving customer and C for current a/c customer : S  Enter Customer Name : Siva  Enter Account Number : 123  Enter Account Type : Saving  Choose Your Choice  1) Deposit  2) Withdraw  3) Display Balance  4) Display with full Details  5) Exit  Enter Your choice: 1  Enter amount to Deposit :  1500  Choose Your Choice  1) Deposit  2) Withdraw  3) Display Balance  4) Display with full Details  5) Exit  Enter Your choice: 3  Balance : 1530  Choose Your Choice  1) Deposit  2) Withdraw  3) Display Balance  4) Display with full Details  5) Exit  Enter Your choice: 4  Customer Name : Siva  Account Number : 123  Account Type : Saving  Balance : 1530  Choose Your Choice  1) Deposit  2) Withdraw  3) Display Balance  4) Display with full Details  5) Exit  Enter Your choice: 2  Balance :- 1530  Enter amount to be withdraw : 500  Balance Amount After Withdraw: 1030  Choose Your Choice  1) Deposit  2) Withdraw  3) Display Balance  4) Display with full Details  5) Exit  Enter Your choice: 5  Thank You for Banking with us.. |
| Sample Output |  |
| Test Case | 1. |
| 2. |
| 3. |
| 4. |
| 5. |

| 2. | Build a C++ for student report using single inheritance. |
| --- | --- |
| Sample Input / output | Enter student roll number: 7005  Enter student name: Arshad  Enter student address: Dwaraka Nagar  Enter student city: Bangalore  Enter the marks1: 85  Enter the marks2: 75  Enter the marks3: 65  Student Details:  \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  The student roll number: 7005  The student name: Arshad  The student address: Dwaraka Nagar  The student city: Bangalore  Marks1: 85  Marks2: 75  Marks3: 65  Total percentage: 75  Grade A |
| Sample Output |  |
| Test Case | 1.Enter student roll number: -7500  Enter student name: Arul  Enter student address: Chennai  Enter student city: Chennai  Enter the marks1: 85  Enter the marks2: 75  Enter the marks3: 35 |
| 2.Enter student roll number: 7500  Enter student name: 23432  Enter student address: Chrompet  Enter student city: Chennai  Enter the marks1: 85  Enter the marks2: 750  Enter the marks3: 65 |
| 3.Enter student roll number: wer45  Enter student name: Bala  Enter student address: Temple road  Enter student city: Bangalore  Enter the marks1: 85  Enter the marks2: -75  Enter the marks3: 65 |
| 4.Enter student roll number: 70051  Enter student name: Suresh  Enter student address: River Street  Enter student city: Cuddalore  Enter the marks1: -85  Enter the marks2: 75  Enter the marks3: 65 |
| 5.Enter student roll number: 4500  Enter student name: Anbu  Enter student address: Tambaram  Enter student city:Chennai  Enter the marks1: 95  Enter the marks2: 75  Enter the marks3: 100 |

| 3. | Write a C++ code for Employee’s salary using hybrid inheritance |
| --- | --- |
| Sample Input | Enter Employee ID: 567  Enter Employee Name: sivakumar  Enter basic salary of Employee: 40000 |
| Sample Output | Gross Salary = Rs.44000  Net Salary = Rs. 43500 |
| Test Case | 1.Enter Employee ID: 56756  Enter Employee Name: siva  Enter basic salary of Employee: 45000 |
| 2.Enter Employee ID: 550  Enter Employee Name: kamal  Enter basic salary of Employee: 40000 |
| 3.Enter Employee ID: BC567  Enter Employee Name: Suresh  Enter basic salary of Employee: 67000 |
| 4.Enter Employee ID: 567TY  Enter Employee Name: Ram  Enter basic salary of Employee: 40000.50 |
| 5.Enter Employee ID: 567  Enter Employee Name: sivakumar  Enter basic salary of Employee: -40000 |

| 4. | C++ program to sort the given list of element in ascending using pointer |
| --- | --- |
| Sample Input | Enter Infinite Numbers and (-1 To Stop Reading)  34  56  76  45  12  100  -1 |
| Sample Output | The Ascending order is given bellow:  12  34  45  56  76  100 |
| Test Case | Enter Infinite Numbers and (-1 To Stop Reading)  34.26  56  76.56  45  12.2  100  -1 |
| Enter Infinite Numbers and (-1 To Stop Reading)  340  650  760  210  100  -1 |
| Enter Infinite Numbers and (-1 To Stop Reading)  34  ab  76  45dc  12  100  -1 |
| Enter Infinite Numbers and (-1 To Stop Reading)  34  56  0  45  12  -23  -1 |
| Enter Infinite Numbers and (-1 To Stop Reading)  abcs  56  76qw  45  12  100  -1 |

| 5. | C++ Program for Enter Patient details using Inheritance |
| --- | --- |
| Sample Input | Enter Data  Enter Patient Name : siva  Enter Bed Number : 123  Enter Ward Name : 321  Enter the Doctor Name : John  Enter Doctorate Degree : MBBS  Enter Dues of Patient : 2500 |
| Sample Output | Inserted Data is :  Patient Name : siva  Bed Number : 123  Ward Name : 321  Doctor Name : John  Doctorate Degree : MBBS  Total Dues of Patient : 2500 |
| Test Case | Enter Data  Enter Patient Name : kumar  Enter Bed Number : &&123  Enter Ward Name : 321  Enter the Doctor Name : kamal  Enter Doctorate Degree : 234  Enter Dues of Patient : 2500 |
| Enter Data  Enter Patient Name : siva  Enter Bed Number : 123we  Enter Ward Name : 321  Enter the Doctor Name : joe  Enter Doctorate Degree : MBBS  Enter Dues of Patient :-3450 |
| Enter Data  Enter Patient Name : babu  Enter Bed Number : 123  Enter Ward Name : 321  Enter the Doctor Name : mani  Enter Doctorate Degree : 324  Enter Dues of Patient : 2500.50 |
| Enter Data  Enter Patient Name : UMA  Enter Bed Number : 123  Enter Ward Name : 3214  Enter the Doctor Name : John sundar  Enter Doctorate Degree : MBBS  Enter Dues of Patient : 2500 |
| Enter Data  Enter Patient Name : Kannan  Enter Bed Number : 123  Enter Ward Name : ABC23  Enter the Doctor Name : Balu  Enter Doctorate Degree : MBBS  Enter Dues of Patient : 5000 |