**ASSIGNMENT:-8(Inheritance)**

2. using System;
3. using System.Collections.Generic;
4. using System.Linq;
5. using System.Text;
6. using System.Threading.Tasks;
7. namespace Parttime
8. {
9. class Member
10. {
11. string name, address;
12. string number;
13. int age;
14. int salary;
15. public void GetDetails()
16. {
17. Console.WriteLine("enter name");
18. name = Console.ReadLine();
19. Console.WriteLine("enter age");
20. age = Convert.ToInt32(Console.ReadLine());
21. Console.WriteLine("enter phone number");
22. number =Console.ReadLine();
23. Console.WriteLine("enter address");
24. address = Console.ReadLine();
25. Console.WriteLine("enter salary");
26. salary = Convert.ToInt32(Console.ReadLine());
27. }
28. public void DisplayDetails()
29. {
30. Console.WriteLine("name: " + name);
31. Console.WriteLine("age: " + age);
32. Console.WriteLine("Ph. Number:" + number);
33. Console.WriteLine("Address: " + address);
34. Console.WriteLine("salary :" + salary);
35. }
36. class ParttimeStudent : Member
37. {
38. string specialization;
39. string department;
40. public void GetDetails()
41. {
42. base.GetDetails();
43. Console.WriteLine("Enter Employee details");
44. Console.WriteLine("enter specialization");
45. specialization = Console.ReadLine();
46. Console.WriteLine("enter department");
47. department = Console.ReadLine();
48. }
49. public void DisplayDetails()
50. {
51. base.DisplayDetails();
52. Console.WriteLine("Displaying employee details");
53. Console.WriteLine("Specilization:" + specialization);
54. Console.WriteLine("Department:" + department);
55. }
56. void printSalary()
57. {
58. Console.WriteLine("Salary: " + salary);
59. }
60. }
61. class FulltimeStudent : Member
62. {
63. string specialization;
64. string department;
65. public void GetDetails()
66. {
67. base.GetDetails();
68. Console.WriteLine("Enter manager details");
69. Console.WriteLine("enter specialization");
70. specialization = Console.ReadLine();
71. Console.WriteLine("enter department");
72. department = Console.ReadLine();
73. }
74. public void DisplayDetails()
75. {
76. base.DisplayDetails();
77. Console.WriteLine("Displaying manager details");
78. Console.WriteLine("Specilization:" + specialization);
79. Console.WriteLine("Department:" + department);
80. }
81. }
82. class Program
83. {
84. static void Main(string[] args)
85. {
86. ParttimeStudent parttimeStudent = new ParttimeStudent();
87. parttimeStudent.GetDetails();
88. parttimeStudent.DisplayDetails();
89. FulltimeStudent fulltimeStudent = new FulltimeStudent();
90. fulltimeStudent.GetDetails();
91. fulltimeStudent.DisplayDetails();
92. }
93. }
94. }
95. }