Prob 1

Solution:

Ans: When PersonwithJob extends the Person there is an inheritance. Where Person behaves like a super class and PersonWithJob behave like a child class. When we check the equals it return a false. After making Person as a attribute type in PersonwithJob class and check the person is equal to personwithjob it result true.

Prob 2 : Solution

Diagram

Description automatically generated

Prob 3

Solution:

Diagram

Description automatically generated