Based on the following UML diagram, complete the application in **Figure 1**, demonstrating clearly how **Polymorphic classes** are defined in java.

Note: A Pair is represented by two integer values. A Treble is represented by three

integer values. To check if a value is even **if (value % 2 == 0)**

So for object Treble (2, 3, 4) **Add** returns 9, **All\_Even** returns false

But for Treble (2, 4, 6) **Add** returns 12, **All\_Even** returns true

Data

int value1, value2

Data(int v1,int v2)

int Add()

bool All\_Even()

Treble

int value3

Treble(int v1, int v2,int v3)

int Add()

bool All\_Even()

Pair

Pair(int v1, int v2)

int Add()

bool All\_Even()

class Data

{

:

}

**public** **class** Q3bAns

{

**public** **static** **void** main(String[] args)

{

Data []d = **new** Data[2];

d[0] = **new** Pair(5,6);

d[1] = **new** Treble(2, 4, 6);

**for** (**int** i = 0; i < 2; i++)

{ System.*out*.println();

System.*out*.println("Sum of Values "+(i+1)+" :" + d[i].Add());

System.*out*.println("All Even "+(i+1)+ " :" + d[i].All\_Even());

}

}

}