Using the following class diagram as a basis, outline a complete application

, demonstrating clearly how **polymorphism** is realized in java.

Shape

#int length

Shape(int l)

**public** void draw()

HorzLine

VertLine(int l)

void draw()

VertLine

VertLine(int l)

void draw()

DiagonalLine

DiagonalLine (int l)

void draw()

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**class** Shape{

**protected** **int** length;

**public** Shape(**int** l){length=l;}

**public** **void** draw(){}

}

**public** **class** DrawTest {

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

{

Shape []s=**new** Shape [3];

s[0]=**new** VertLine(5);

s[1]=**new** HorzLine(6);

s[2]=**new** DiagonalLine(6);

**for**(**int** j=0;j<3;j++)

{

System.*out*.println("\n\n");

s[j].draw();

}

}

}