**Program 1**:

CLASS Cylinder

{

BEGIN

{

FLOAT pi ← 3.14

PRINT “Enter radius: “

READ radius

PRINT “Enter length: “

READ length

FLOAT area ← (radius^2 \* pi)

FLOAT volume ← (area \* length)

PRINT “Entered radius: “ + radius

PRINT “Entered length: “ + length

PRINT “The Volume is: “ + volume

}

END

}

**Program 2**:

CLASS SumDigits

{

BEGIN

{

PRINT “Please input a number between 0 and 1000: “

READ ← num

WHILE (num != 0)

{

INT remain ← num % 10

INT sum ← (sum + remain)

num ← (num / 10)

}

PRINT “Entered number: “ + num

PRINT “Sum of digits: “ + sum

END

}

}

**Program 3**:

CLASS Distance

{

BEGIN

{

PRINT “Please enter X1: “

READ x1

PRINT “Please enter Y1: “

READ y1

PRINT “Please enter X2: “

READ x2

PRING “Please enter Y2: “

READ y2

FLOAT dist ← sqrt[(x2 – x1)^2 + (y2 – y1)^2]

PRINT “Entered X1: “ + x1

PRINT “Entered Y1: “ + y1

PRINT “Entered X2: “ + x2

PRINT “Entered Y2: “ + y2

PRINT “Distance: “ + dist

END

}

}

**Program 4**:

CLASS DrivingCost

{

BEGIN

{

PRINT “Please enter distance traveled: “

READ dist

PRINT “Please enter Miles per Gallon: “

READ mpg

PRINT “Please enter Price per Gallon: “

READ cpg

total ← (dist / mpg) \* cpg

PRINT “Distance traveled: “ + dist

PRINT “Miles per gallon: “ + cpg

PRINT “Trip cost: “ + total

END

}

}