***NAME- RUTVIK MARAKANA***

***ASSIGNMENT-1***

* ***Problem 1 solution:-***

CLASS Calculations

BEGIN

METHOD FIND\_AVERAGE ( )

BEGIN

average 🡨 0

FOR each of the five numbers

READ input\_value

sum 🡨 sum + input\_value

ENDFOR

average 🡨 sum/5.0

PRINT (average)

PRINTLINE ( )

END FIND\_AVERAGE

METHOD FIND\_MAXANDMIN ( )

BEGIN

READ input\_value

max 🡨 input\_value //assume the first input value as maximum value

FOR the next four values

READ input\_value

IF (max<input\_value)

max 🡨 input\_value

ELSE

min 🡨 input\_value

ENDIF

ENDFOR

PRINT (max)

PRINTLINE ( )

PRINT (min)

END FIND\_MAXANDMIN

END Calculations

* ***Problem 2 solution:-***

CLASS Sum\_even

BEGIN

METHOD MAIN ( )

BEGIN

sum 🡨 0

READ stopping\_point

FOR i=0 to stopping\_point

IF(i/2=0)

THEN sum 🡨 sum+i

ENDIF

ENDFOR

PRINT(“ Stopping point :”+stopping\_point)

PRINT ( )

PRINT (“Sum of all even numbers till stopping point =”+sum)

END MAIN

END Sum\_even

* ***Problem 3 solution:-***

CLASS Age

BEGIN

METHOD MAIN ( )

BEGIN

READ age

current\_age 🡨 age

required\_age 🡨 current\_age+20

PRINT (“Current age is:”+current\_age)

PRINTLINE ( )

PRINT (“Age after 20 years from now is:”+required\_age)

ENDMAIN

END Age

* ***Problem 4 solution:-***

CLASS Color

BEGIN

METHOD MAIN ( )

BEGIN

READ input\_number

num 🡨input\_number

PRINT(“Entered number:”+num)

IF(num>=0 and num<10)

PRINT(“Your color: Blue”)

ELSEIF(num>=10 and num<20)

PRINT(“Your color: RED”)

ELSEIF(num>=20 and num<30)

PRINT(“Your color: Green”)

ELSE

PRINT(“Your color: This is not a correct color option”)

ENDIF

END MAIN

END Color

* ***Problem 5 solution:-***

CLASS Total

BEGIN

METHOD MAIN ( )

BEGIN

READ input\_value for the price of fries,burger and a drink

fries\_price 🡨 input\_value for the price of fries

burger\_price 🡨 input\_value for the price of burgers

drink\_price 🡨 input\_value for the price of drink

PRINT (“Fries price:”+fries\_price)

PRINT (“Burger price:”+burger\_price)

PRINT (“Drink price:”+drink\_price)

sum 🡨 fries\_price + burger\_price + drink\_price

tax 🡨 sum\*0.1

total 🡨 sum+tax

PRINT (“Total cost:”+total)

END MAIN

END Total