PROGRAM FindBuzz:

Read num;

IF (num/7 gives a remainder of zero OR num/10 gives a remainder of 7)

THEN print ‘’It is a buzz number”;

ELSE print “it is not a buzz number”;

ENDIF;

END.

Program WriteTable:

Read num;

Counter = 1;

WHILE (Counter <=10)

DO Print num \* Counter;

Counter = Counter + 1;

ENDWHILE

END.

Program ComputeFactorial:

Read num;

Counter = 1;

Result = 1;

While (Counter <= num)

Do Result = Result \* Counter;

Counter = Counter + 1;

ENDWHILE;

END.

PROGRAM CheckPrime:

Read num;

Counter = 2;

isPrime = True;

WHILE (Counter <= num/2 AND isPrime = True)

DO IF (num/Counter gives a remainder of Zero)

THEN IsPrime = False;

ENDIF

Counter = Counter + 1

ENDWHILE

IF (IsPrime = True)

THEN Print "The number is prime."

ELSE Print "The number is not prime."

ENDIF

END.

Program CheckTriangle:

Read side1;

Read side2;

Read side3;

IF (side1 = 0 OR side2 = 0 OR side3 = 0):  
 Then Print “Invalid Triangle Sides”;

ELSE IF (side1 = side2) AND (side2 = side 3)

THEN Print “It is an equilateral triangle”;

ELSE IF (side1 == side2) OR (side2 == side3) OR (side1 == side3)

THEN Print “It is an isosceles triangle”;

ELSE Print “It is a scalene triangle”;

ENDIF;

ENDIF;

END.

**PATTERN QUESTION:**

PROGRAM PrintPattern:

Print “\*” next Line;

Print “\*\*” next Line;

Print “\*\*\*” next Line;

Print “\*\*\*\*” next Line;

Print “\*\*\*\*\*”;

END.

PROGRAM PrintPattern:  
 Counter = 1;

WHILE (Counter < = 5)

D0 Printer = 1

WHILE (Printer <= Counter)

DO Print “\*”

Printer = Printer + 1

ENDWHILE

Go to next line

Counter = Counter + 1;

ENDWHILE

END.